Manitoba

Annual Report
1986 - 87

Highways and Transportation

Manitoba

Minister of
Highways and Transportation

Room 203,
Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

To His Honour,
Dr. George Johnson,
Lieutenant-Governor of Manitoba,

May It Please Your Honour:

I have the privilege of presenting for the information of Your Honour the Annual Report of the Department of Highways and Transportation for the fiscal year ending March 31, 1987.

Respectfully submitted,

John M. Bucklaschuk

Honourable John M. Bucklaschuk
Minister of Highways and
Transportation

ALIVE
A Safety Initiative of
the Manitoba Government

Manitoba

Deputy Minister of
Highways and
Transportation

Room 209
Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

The Honourable John M. Bucklaschuk
Minister
Highways and Transportation

Sir:

I have the honour of presenting herewith the Annual Report of the Department of Highways and Transportation of the Province of Manitoba for the fiscal year 1986-87.

The primary focus of the Department's highway construction program has been directed towards improved safety and the protection of investments in the existing infrastructure. As a result of this emphasis, a large majority of construction dollars have been allocated to rehabilitation and re-surfacing projects.

The Winter Roads Program was also expanded during this year, to include a roadway from Gods Lake Narrows to Gods River, a distance of 54 kilometres. More than 1200 kilometres of winter roads were constructed and maintained at northern locations throughout the province.

The delivery of a Canadair CL-215 Water Bomber increased the provincial fleet to four. This aircraft was acquired under the Federal/Provincial Cooperative Supply Agreement and is designed to establish a national fleet which can be utilized to re-deploy Water Bombers for fire fighting purposes throughout the country.

The highly successful Program for the Transportation of the Mobility Disadvantaged in Rural Manitoba has now grown to 30 communities and services a population catchment of approximately 160,000 people in rural Manitoba. The program has a large volunteer component and as a result, operates at a very low cost.

Under the Canada-Manitoba Subsidiary Agreement on Churchill, a second boxcar refurbishing program was carried out. The program involved 956 boxcars, at an approximate cost of $18 million, to be rehabilitated during 1987.

This document fulfills the reporting requirement specified in the Highways and Transportation Department Act.

Respectfully submitted,

Boris Hryhorczuk

Boris R. Hryhorczuk
Deputy Minister

ALIVE
A Safety Initiative of
the Manitoba Government

Organization Chart

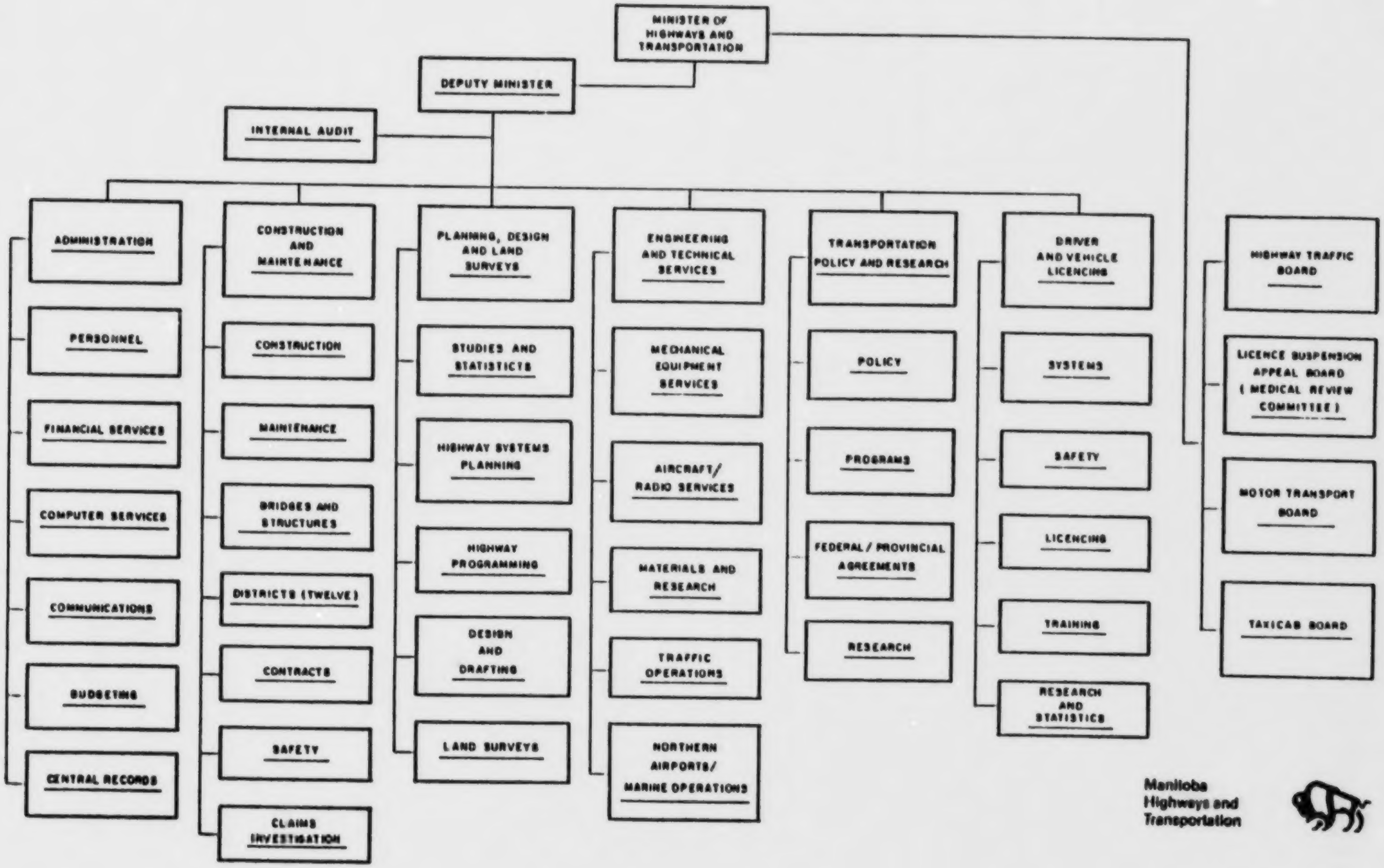

MINISTER OF HIGHWAYS AND TRANSPORTATION
DEPUTY MINISTER
INTERNAL AUDIT
ADMINISTRATION
PERSONNEL
FINANCIAL SERVICES
COMPUTER SERVICES
COMMUNICATIONS
BUDGETING
CENTRAL RECORDS
CONSTRUCTION AND MAINTENANCE
CONSTRUCTION
MAINTENANCE
BRIDGES AND STRUCTURES
DISTRICTS (TWELVE)
CONTRACTS
SAFETY
CLAIMS INVESTIGATION
PLANNING, DESIGN AND LAND SURVEYS
STUDIES AND STATISTICTS
HIGHWAY SYSTEMS PLANNING
HIGHWAY PROGRAMMING
DESIGN AND DRAFTING
LAND SURVEYS
ENGINEERING AND TECHNICAL SERVICES
MECHANICAL EQUIPMENT SERVICES
AIRCRAFT/ RADIO SERVICES
MATERIALS AND RESEARCH
TRAFFIC OPERATIONS
NORTHERN AIRPORTS/ MARINE OPERATIONS
TRANSPORTATION POLICY AND RESEARCH
POLICY
PROGRAMS
FEDERAL / PROVINCIAL AGREEMENTS
RESEARCH
DRIVER AND VEHICLE LICENCING
SYSTEMS
SAFETY
LICENCING
TRAINING
RESEARCH AND STATISTICS
HIGHWAY TRAFFIC BOARD
LICENCE SUSPENSION APPEAL BOARD (MEDICAL REVIEW COMMITTEE)
MOTOR TRANSPORT BOARD
TAXICAB BOARD
Manitoba Highways and Transportation

Table of Contents

TITLE PAGE

ADMINISTRATION

Personnel 11
Financial Services 12
Internal Audit 12
Computer Services 13
Communications 15
Central Records 15

CONSTRUCTION AND MAINTENANCE

Construction 19
Maintenance/Traffic Inspection 20
Contract Section 24
Bridges and Structures 24
Personnel Health and Safety 28
Claims Investigation 29

PLANNING, DESIGN AND LAND SURVEYS

Highways Systems Planning 31
Highways Programming 33
Studies and Statistics 34
Design and Drafting 34
Land Surveys 35

ENGINEERING AND TECHNICAL SERVICES

Mechanical Equipment Services 39
Aircraft/Radio Services 40
Materials and Research 44
Traffic Operations 49
Northern Airports/Marine Operations 61

TRANSPORTATION POLICY AND RESEARCH

Policy 65
Programs 67
Research 69
Sub-Agreements 70

DRIVER AND MOTOR VEHICLE LICENCING 73

HIGHWAY TRAFFIC BOARD 81

LICENCE SUSPENSION APPEAL BOARD 85

Medical Review Committee 88

MOTOR TRANSPORT BOARD 91

TAXICAB BOARD 99

ABBREVIATIONS

A.C. - asphalt cement
A.S.T. - asphalt surface treatment
Bdry. - boundary
C.N.R. - Canadian National Railway
C.P.R. - Canadian Pacific Railway
C.F. - cable ferry
CMP - corrugated metal pipe
CT - commercial truck
CR. - credit
CWT - hundredweight
Dist. - district
E. - east
E.D. - Electorial Division
HPS - high pressure sodium
H.F. (SSB) - high frequency (single side band)
Jct. - junction
lbs. - pounds
L.F. - linear foot
L.G.D. - Local Government District
M.fbm - thousand foot board measurement
M.V. - motor vessel
N. - north
N.E. 1/4 - northeast quarter section
No. - number
Prov. - province or provincial
P.R. - Provincial Road
P.T.H. - Provincial Trunk Highway
P.S.V. - public service vehicle
Rec. - recreational
R.L. - river lot
R.T.A.C. - Roads and Transportation Association of Canada
R.C.M.P. - Royal Canadian Mounted Police
R.M. - Rural Municipality
Sec. 34-24-12W. - Section, Township, Range, West
S. - south
S.P.C.M.P. - structural plate corrugated metal pipe
sq.ft. - square feet
T.C.H. - Trans-Canada Highway
T.T. - treated timber
U.V.D. - Unincorporated Village District
U.S.A. - United States of America
V.H.F. (F.M.) - very high frequency (frequency modulation)
V.H.F. (A.M.) - very high frequency (amplitude modulation)
W. - west

Table Section

Table No.	Activity	Page Nos.
A1	Summary of Gross Expenditures	T.1
A2	Administration and Subsidiary Expenditures	T.2
A3	Aids to Cities, Towns, Villages and Unincorporated Villages and Work in Unorganized Territory	T.3
A4	Construction	T.3
A5	Maintenance	T.4
A6	Mechanical Equipment Services	T.4
A7	Warehouse Stores	T.5
A8	Driver and Vehicle Licencing/ Boards and Committees	T.5
A9	Miscellaneous Expenditures	T.6
A10	Aircraft/Radio Services Northern Airports/Marine Operations	T.6
A11	Winter Truck Roads, Construction and Maintenance	T.7
A12	Transportation Policy and Research	T.7
A13	Expenditure Summary by Appropriation	T.8
A14	Revenue Summary by Source	T.21
C1	Summary of Kilometres of Work Completed	T.25
C2	Highway Construction - P.T.H.	T.26
C3	Highway Construction - P.R.	T.46
C6	Winter Truck Roads, Construction and Maintenance	T.84
B1	Bridge and Structures/Maintenance, Ferries	T.86
M1	Highway Maintenance - Contingencies (P.T.H.)	T.92
M2	Highway Maintenance - Special Projects (P.T.H.)	T.93
M4	Highway Maintenance - Contingencies (P.R.)	T.98
M5	Highway Maintenance - Special Projects (P.R.)	T.100
M7	Highway Maintenance - Summary	T.105
M8	Highway Maintenance - P.T.H. - General	T.106
M9	Highway Maintenance - P.R. - General	T.108
P1	Mileage Summary - Surface Type	T.121
P2	Mileage Summary - Lane Miles	T.123
P3	Summarized Mileage - Surface Type	T.123
P4	Mileage Summary - Engineering Districts	T.124
X1	Summary of Aids	T.127
X2	Aids to Cities, Towns, Villages and Unincorporated Village Districts	T.128
X3	Works and Roads in Unorganized Territory and Disorganized Municipalities	T.136
X4	Local Government Districts	T.139
X6	Materials Drilling Tests	T.142
AR1	Air and Radio Services/Airport Operations/ Marine Services	T.143
AR2	Summary of Air Services Flight Distance	T.146
AR3	Summary by Base, by Aircraft Type	T.147
MV1	Appeal Board Statistics	T.148
MV2	Application Volume and Hearings Comparison	T.149
MV3	Applications Processed and Hearing Locations	T.149
MV5	Appeal Board Decisions By Age & Type of Suspension	T.150
MR1	Licence Application and Disposition	T.153
MR2	Licence Application and Disposition	T.155
MR3	Licence Application and Disposition	T.157

Administration

PERSONNEL

The Personnel Services Section is responsible for providing personnel, administrative and payroll services and systems to management and employees of the Department. These services are provided through the development of policies and procedures and the provision of support services in recruitment, salary administration, pay and benefits administration and classification. Support services are also offered in organizational analysis, contract administration, collective bargaining, employee relations, employee health, and training and development.

During the year, projects initiated the previous year were concluded. These included completion of the review of all clerical positions within the Driver and Vehicle Licencing Division involving approximately 150 positions; completion of an operational and classification review in the Highway Traffic Board; development of standards for Pilot classifications and the establishment of staff requirements for Winnipeg and rural bases for the Air/Radio Services; completion of a four month participation in the Pay Equity process; support for the development of methodology for a new classification system for Professional Engineers and Financial Officers; and the introduction of a payment advance system for newly hired staff and recalls from layoffs.

For the period ending December 31, 1986, there were:

Number of competitions	138
Number of grievances	35
Number of management originated reclassifications	41
Number of employee originated reclassifications	27

In terms of hiring under the Affirmative Action Policy, a total of 27 full time, one departmental and 44 summer students were hired.

A total of 68 native persons were employed by contractors on seven different contracts for a total of 389 person weeks of work. In the Outreach recruitment area, a total of 11 career day presentations regarding employment opportunities with the department were completed.

FINANCIAL SERVICES

The Financial Services Section is responsible for providing central accounting, financial information and related administrative services to departmental programs and management. The Section ensures that internal accounting systems are in place to monitor financial matters, including:

revenues and expenditures
cash receipts and disbursements;
accounts receivable.

This section is also responsible for the preparation of annual estimates and the Department's Quarterly Forecast of Expenditures and Revenues and monthly expenditure reports for managers.

During the year, Financial Services processed 66,662 vouchers to pay suppliers for goods and services received. Approximately 14,000 invoices were produced for services provided to other government departments, agencies and third parties with a total expenditure and recoveries of approximately $3.8 million.

Legislation was passed during the year which provided the authority to revise the overweight formula and to charge a fee for over-dimensional permits. This fee produced new revenue of $55.9 thousand in the 1986/87 fiscal year.

A change was made to the computerized accounts receivable system, effective October 1, 1986, to allow for the invoicing of permits. From October 1, 1986 to March 31, 1987, this section processed 2,818 permits.

INTERNAL AUDIT

Internal Audit was established for the Department of Highways and Transportation in April 1984 to provide the Deputy Minister and departmental management with a broad-based independent systematic review and appraisal of all departmental operations for the purpose of advising management on its internal policies, practices and controls.

Internal Audit reports operationally to an Audit Committee comprised of the Deputy Minister and senior departmental executive. This committee approves annual and long-term audit plans and reviews all audit reports prepared by the audit function.

During 1986/87 the Section completed audits and issued reports on the Dauphin Sign Shop, Maintenance Management, use of Government Vehicles, Grading Contract Review, Driver and Vehicle Licencing, and Materials and Research. As part of its on-going review of the Canadian Agreement on Vehicle Registration, Internal Audit completed eight compliance and thirty-one verification audits of trucking companies.

Changes recommended to improve efficiency included the establishment of an improved management information system, modifications to procedures associated with inventory control and reporting and establishment of criteria and standards to be used for efficiency measurement in the utilization of assists and resources.

Assistance was also provided for the preparation and presentation of a seminar for municipalities and towns participating in The Program of the Transportation of the Mobility Disadvantaged in Rural Manitoba. It also participated in five Mechanical Equipment Services annual inventory counts.

At year end, audits on Contracts, Construction and Computer Services were in progress.

COMPUTER SERVICES

Computer Services supports the Department of Highways and Transportation by evaluating, developing, implementing, maintaining, monitoring and supplying effective automated information exchange and processing systems. These services are further extended to the Driver and Vehicle Licencing Division through the Systems and Data Processing Section.

Emphasis is placed on tasks having a high economic and social return on investment. The department often takes advantage of systems that have already been developed by other transportation or related jurisdictions in order to save development costs and time.

More than 1,000 computer programs were maintained in more than 30 applications.

System Accomplishments

A consultant was chosen to conduct a feasibility study for a comprehensive Construction Management system. The study will proceed through the 1987/88 fiscal year. This system will lend significant automated support to management of the Construction Program.

Computer equipment in support of Computer Assisted Drafting and Design was acquired and installed in the past year. The introduction of this technology in support of generic drafting functions was begun, and plotting activities were performed with significant savings in turnaround time. The impact of this technology will continue to make itself felt in the upcoming fiscal year and beyond, in the form of further computerized support in the design of roadways and bridges.

Specifications for a Radio Unit Management System were completed, and a Request for Proposals in respect to an Aircraft Maintenance System prepared. Development and implementation of these systems, in support of the Air/Radio Branch of the Department, is expected to occur in the upcoming year.

Project Specifications for an Equipment Management System were completed; a Request for Proposals to develop or supply an appropriate system will be issued early in the new fiscal year, with development expected to progress significantly throughout the year.

The Department's Accounting, Procurement and Inventory Management System (A.P.I.M.S.) was successfully extended on-line to all major warehouse stores across the Province. During the upcoming fiscal year, several of the secondary stores locations will also be added to the system. This will enable the Department to eliminate the old warehouse store systems, thereby improving operating efficiency.

The Department's Electronic Mail Pilot, using the DISOSS technology, is still in progress. Findings of this experiment will become known in the upcoming year, and the place of Electronic Mail and of the DISOSS product itself in the Department will be defined.

A comprehensive Information Processing Hardware and Software Strategy was established to guide its future development in the hardware and software areas. The Strategy incorporates the findings of several studies conducted by the Department in the recent past, and has been approved at Departmental Executive level and at Treasury Board level.

Other activities included: full implementation of an automated Computer Processing Chargeback system for the Department; a large amount of conversion work in respect of Manitoba Data Services; considerable work toward the metrication of the Department's Highways Needs Study System; a study of automation requirements at the Highway Traffic Board; support of approximately 200 Highway Design projects and 30 significant system maintenance and enhancement requests; 9 word processing studies; implementation of 13 new word processing workstations; and a study of determining methods of phasing out obsolete word processing technology.

System Production and Operations

15,300 batch jobs were processed. The total number of records keypunched and keyverified was approximately 318,000.

1,785,000 on-line inquiry and update transactions were submitted against data bases of the Vehicle and Driver System and the Accounting, Procurement and Inventory Management System.

COMMUNICATIONS

The mandate of the Communications Section includes media relations, public information, production of a department newsletter, writing and editing news releases, preparation of brochures and documents, speech writing, organizing news conferences and assisting with the Annual Report. The Communications Section also provides advice on communication strategies and support for the departmental activities.

The major accomplishments of the Communications Section during 1986/87 include:

- production of department audio-visual for the Roads and Transportation Association of Canada
- re-design, writing and revision of Driver and Vehicle Licencing brochures and handbooks
- writing, design and publication of department brochure.
- printing and re-design of Manitoba Highway Map
- assistance with preparation of the Annual Report
- writing and production of employee newsletter
- coordination of Estimates House Book and Minister's Issues House Book
- planning of official events and news conferences
- writing news releases and speeches.

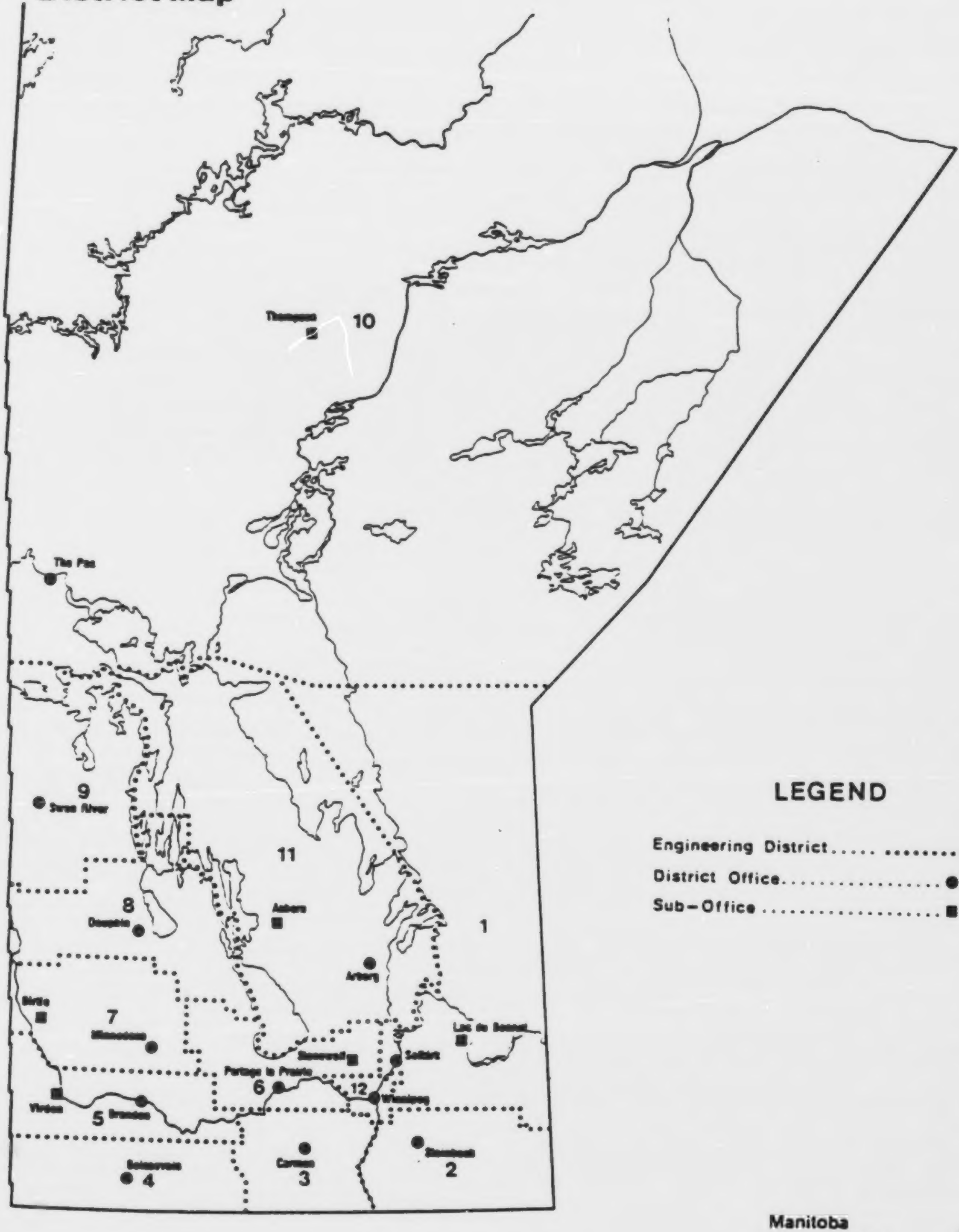
CENTRAL RECORDS

Central Records provides for the Department administrative support services through records management, requisitioning, central stores, postal services and records access according to the Freedom of Information Act.

Major accomplishments of Central Records during 1986/87 include:

- preparation of the Freedom of Information Procedure Manual
- submission of 159 records authority schedules to the Provincial Documents Committee, in preparation for proclamation of the Freedom of Information Act
- establishment of a new filing structure in Swan River - District 9.

District Map


Thompson
10
The Pas
9
Swan River
11
8
Dauphin
Ashern
1
Arborg
Birtle
7
Minnedosa
Lac du Bonnet
Stonewall
Selkirk
Portage la Prairie
6
12
Winnipeg
Virden
5
Brandon
Carman
3
Steinbach
2
Boissevain
4

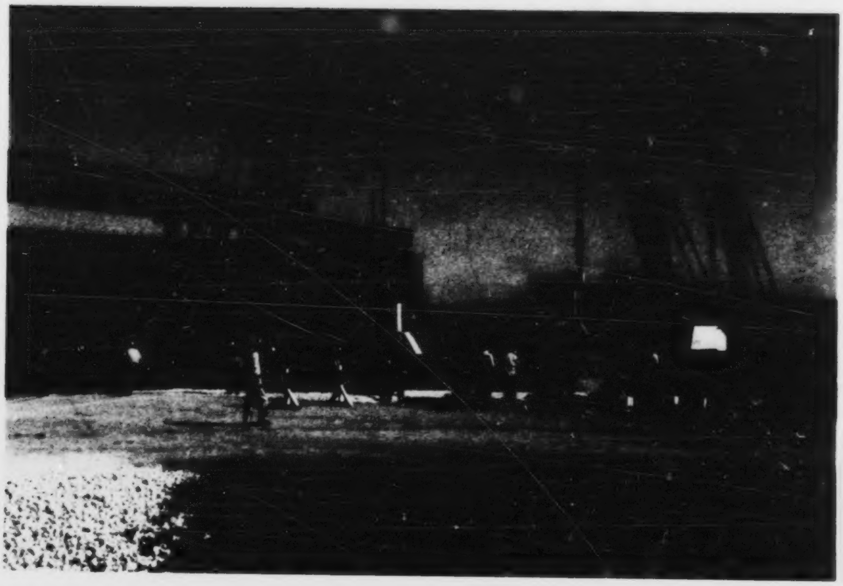
LEGEND

Engineering District..... ....

District Office.................●

Sub-Office..................■

Manitoba
Highways and
Transportation



WORK CREWS ERECT STEEL GIRDERS AT RED RIVER CROSSING NEAR SELKIRK

Construction and Maintenance

CONSTRUCTION

The Construction Program represents a wide variety of activity from preliminary survey through grading and bridge construction to finished paved surfaces. This program is administered by 12 engineering districts located throughout the Province.

Construction expenditures this fiscal year amounted to $84,309,900 representing 41.5% of the departments total budget.

Some of the Major projects carried out in 1986/87 included:

P.T.H. No. 8, from P.R. No. 230 to P.T.H. No. 67, widening and construction of a concrete pavement, a distance of 7.4 kilometres	$1,930,000
P.T.H. No. 44, grading the first stage of four laning from P.T.H. No. 59 to the east, a distance of 10.5 kilometres	1,160,000
P.T.H. No. 1, Oak Lake By-Pass, Bituminous Pavement	1,915,000
P.T.H. No. 7, Reconstruction and Bituminous Pavement, P.T.H. No. 17 to P.R. No. 229	1,830,000
P.T.H. No. 20, Dauphin Beach to P.T.H. No. 20A, Bituminous Pavement	1,265,000
P.T.H. No. 83, In the area of Benito, a distance of 11.3 kilometres, Bituminous Pavement	1,070,000
P.R. No. 391, grading and reconstruction 37.3 kilometres, Sawanee River to Turnbull Lake	1,060,000
P.R. No. 233, Thru Hecla Provincial Park, grading and gravelling, 11.3 kilometres	1,260,000

Major construction activity was also carried out on P.T.H. No. 4 north of Selkirk. This project involves a new bridge over the Red River, bridge approaches and roadways which will connect P.T.H. No. 9 with P.T.H. No. 59 as well as providing intermediate connections to P.R. No. 320 and P.R. No. 508 on the west and east sides of the river respectively. A total of $9.11 million was spent on this project during 1986/87.

In order to reduce severe spring restrictions on some of our highways, a 5.1 centimetre bituminous overlay was placed on two projects. Although this method will not bring the highways up to full strength, it is expected to provide sufficient additional strength to allow heavier loading and eliminate the need for severe spring restrictions.

The two projects have been carried out on P.T.H. No. 45, a distance of 40.6 kilometres from Russell to Rossburn, and P.R. No. 245, a distance of 25.7 kilometres from Carman to Roseisle. The Department intends to monitor these roads over the next 2 to 3 years to evaluate the effectiveness of this type of construction in improving their load carrying capability.

MAINTENANCE

Maintenance accounted for 25.4% of the department's total budget. The maintenance costs of $49,940,286 were divided between summer (68%) and winter (32%).

The maintenance program is carried out by 94 beat crews and 81 drag beats which are distributed uniformly throughout the province. Specialized crews carry out activities which include seal coating, mixing asphalt, crushing aggregates, repairing concrete and routing and filling cracks in bituminous pavements.

The progress of the maintenance program throughout the year is monitored by the Maintenance Management Section. This section also conducts yearly training sessions for various levels of management as well as developing new and improved maintenance procedures.

The following list identifies the major activity areas in their program and relevant units of accomplishments achieved.

SUMMER

Premix Patching	51 004	cubic metres
Spray Patching	1 335 822	litres
Seal Coat Program	1 125	lane kilometres
Route & Crackfill	187 925	lineal metres
Concrete Repairs	21 044	hours
Dragging Gravel Roads	437 261	pass kilometres
Gravelling Roads	423 681	cubic metres
Dust Control	2 090	tonnes calcium chloride
	1 276 620	litres lignosulfonate
Drag Gravel Shoulders	40 070	shoulder kilometres
Mowing	29 793	hectares
Sign Maintenance	40 055	hours
Erecting New Signs	439 518	square decimetres
Spring Weight Restrictions	44 459	hours

WINTER

Snowplowing	968 842	pass kilometres
Snow Clean-up	68 695	hours
Sanding	37 517	cubic metres
Spreading Chemical	94 983	pass kilometres
Winter Stand-by	50 448	hours

The 1986/87 winter began with a severe storm in early November but the remainder of the season was one of the mildest on record. This resulted in above normal icing conditions which represented a 28% increase in pass kilometres of highway treated with chemical compared to 1985/86. As well overall, winter expenditures increased by 7% over the previous year.

TRAFFIC INSPECTION

This section consists of 55 staff which operate 11 Highway Traffic Inspection Stations on a permanent basis. Two of these stations, Headingley and West Hawk Lake, operate 24 hours, 7 days a week, while the other stations operate on a Monday to Friday basis.

The province is divided into 15 territories which are patrolled by inspection staff. Portable scales are used when staff are patrolling highways and provincial roads to ensure that motor vehicles are operating within the allowable weights identified in the Highway Traffic Act.

The purchase of eight electronic portable platform weigh scales located both on and off highways has greatly improved the weighing of high volume traffic with the least inconvenience to the trucking industry and the general travelling public.

Activities

- Provide uniform inspection of vehicles and enforcement of the Highway Traffic Act, the Dangerous Goods Handling and Transportation Act and regulations under these acts which pertain to the truck transportation industry throughout the province. i.e., weights, dimensions, equipment safety (lamps, brakes, flares, etc.) driver and vehicle licences, placarding and documentation.

- Ensure that movement of over-dimensional and overweight loads is carried out in a safe manner with a minimum of strain on highway surfaces and structures.

- Ensure movement of freight is carried out in accordance with public service operating authorities issued by the Motor Transport Board.

- In-depth regional inspections or "blitzes" are undertaken at selected locations for an eight hour thorough inspection of vehicles and cargo. These blitzes are strategically planned for each of the five supervisory areas, and are used to more effectively monitor trucking activities and enforce regulations related thereto.

- Investigates complaints.

- Provide positive public relations through communication and education of the trucking industry.

- Collection of single trip and fuel tax fees.

Accomplishments

A staff training program was initiated to train new employees and to provide an ongoing program for existing staff. This is directly tied into a performance appraisal package which was initiated last year for supervisory staff and implemented this year for the remaining inspection staff.

Full enforcement of the Dangerous Goods Program was undertaken by Highways and Transportation and Environment on February 1, 1986. Enforcement initially concentrated on providing educational information to the trucking industry on compliance, rather than on issuing tickets. However, the Department was prepared to prosecute flagrant violations. A policy of strict enforcement was adopted in September of 1986. Most offenders thereafter were prosecuted rather than warned.

Consistent with the recommendations of The Task Force Review on Motor Carrier Regulations, the Department is intensifying its efforts to control illegal trucking activities in Manitoba.

Pursuant to the strengthened regulatory approach adopted by the Motor Transport Board, a more stringent enforcement policy for public service vehicle (PSV) violations is being undertaken.

Effective March 1, 1986, if an unauthorized carrier is inspected and found to be transporting goods for compensation, or if a licenced PSV carrier is found to be transporting goods in contravention of an existing operating authority, the vehicle is normally detained until a duly authorized carrier is secured.

The Department has increased its public service vehicle investigation staff from one to two and created an additional enforcement territory in the Selkirk area to provide more effective enforcement. These staffing decisions were accommodated through redeployment of existing staff.

A more stringent approach to control of PSV carriers is in response to requests from the trucking industry for improved enforcement. Emphasis will continue to be placed on communication with the trucking industry.

Anticipated Accomplishments and New Thrusts for Next Year

The National Safety Code will have a significant impact on this section, with increased responsibilites in the following areas:

- Vehicle weights and dimensions (RTAC Study)
- Hours of work
- Short term suspensions
- Trip Inspection Reports
- Load Securements

Effective enforcement of the Highway Traffic Act will be carried out through:

- improved liason with the trucking industry
- improved employee relations and training
- detailed inpsections of vehicles and cargo
- expanding areas covered by mobile inspection staff

TRAFFIC INSPECTION STATISTICS

The table below outlines some of the more critical operational statistics from March 1, 1986 to February 28, 1987.

PROSECUTIONS INSTITUTED & DISPOSED OF	1985/86	1986/87
Overweight	2,064*	2,134
and Overdimensional		148
Public Service Vehicle	495*	385
and Driver & Vehicle Licencing		274
Faulty Equipment & Safety	570	901
Dangerous Goods	**	39
	3,129	3,881
Verbal Warnings	**	4,387
Written Warnings	427	269
Single Trip Certificates	11,374	8,032
Designated Commodity Certificates	**	769
Motive Fuel Permits	9,300	9,128
Transit Licences	242	135

REVENUE	1985/86	1986/87
Single Trip Certificates	$582,503.61	$397,367.03
Designated Commodity Fees	**	19,225.00
Motive Fuel Permits	255,302.28	260,632.84
Transit Licences	3,600.00	1,965.00

* Statistics were compiled jointly for the 1985/86 year.

** No statistics available

NOTE: revenue for fines and costs will be available in 1987/88.

CONTRACTS

Construction work which is carried out by private contracting agencies for the Department is administered through the Contracts Section by means of formal Contracts for major projects, and by Construction Orders for small projects and miscellaneous work. This Section is also responsible for the evaluation of tenders. Approximately 91 major tenders for roadwork, totalling $40,000,000.00, and 45 tenders for bridge work, totalling $9,000,000.00 were awarded this year, of the 91 projects approximately $14,000,000.00 was spent on grading, $3,000,000.00 on granular base course, $18,000,000.00 on bituminous pavement and $5,000,000.00 on miscellaneous work. Approximately 141 construction orders for roadwork totalling $3,700,000.00 and 54 miscellaneous orders valued at $625,000.00 were awarded.

Approval to proceed with work on a project is authorized by Work Orders. A total of 720 work orders were processed, authorizing work to start on projects valued at over $128,000,000.00.

Approximately 1,700 progress payments provided authority to issue cheques to Contractors totalling $58,600,000.00. This figure also includes payments for work done on Carryover projects from previous years.

The section is responsbile for establishing appropriate rental rate schedules and administers several hundred rental rate agreements for the hire of private equipment throughout the year. Other responsibilities include assisting in the preparation of the annual report, processing of applications for permission to place buried utilities under provincial highways, tabulating statistical data for several agencies, and holding regular committee meetings to update highway Construction Specifications.

BRIDGES AND STRUCTURES

GENERAL

Bridges and Structures is responsible for the design, construction and maintenance of bridges, large culverts and overpass structures on highways and roads under the jurisdiction of the Department of Highways and Transportation.

DESIGN

The Division designed a wide variety of structures in the 1986/87 fiscal year.

A sampling of the design projects includes:

- a finalization of a three span, 72 m long continuous steel plate girder bridge over West Baker's Narrows on P.T.H. No. 10,
- a double 1.8 m x 1.8 m x 87 m long reinforced concrete box culvert through the proposed eastbound lanes and existing westbound lanes of T.C.H. No. 1W., near Kemnay,
- a preliminary design and layout of a two span, 61 m long precast prestressed concrete I-girder and reinforced concrete deck bridge over Roseau River on re-aligned P.T.H. No. 59S.,
- a finalization of a 49 m long structural steel through truss bridge over Minago River on P.R. No. 273,
- a finalization of the two 41 m long, two span Cook's Creek Bridges on P.T.H. No. 44 which include standardized P.T.H. type precast prestressed concrete channel girders,
- a 16 m long reinforced concrete rigid frame structure through the proposed eastbound lanes of T.C.H. No. 1W. over P.R. No. 459,
- a two span, 16 m long bridge over Silver Creek on P.R. No. 366 which includes economical modules of standardized P.R. type precast prestressed concrete channel girders. Numerous other structures employing this system were also designed,
- the modifications to the deck of the bridge over the Red River Floodway on P.R. No. 200 to accommodate resurfacing,
- two 1.8 m diameter corrugated steel pipes in Boyne Channel through re-aligned P.R. No. 248 and two 3.0 m diameter structural plate corrugated steel pipes in Boyne Channel through re-aligned P.R. No. 336,
- a river training and bank reinforcement design for the Pembina River bridge on P.T.H. No. 31, and
- field inspections and load ratings of various structures, including a fire-damaged three span, 20 m long treated timber bridge over Cook's Creek on P.R. No. 213.

The Division also received and supplied information relating to its participation in A.A.S.H.T.O.'s Bridge Design System (BDS) Project. This project will provide a standardized inventory of computer design and analysis programs for all major components of bridge structures.

In an effort to improve bridge surveys, a standardized drafting layout and accompanying set of instructions was developed. This was presented and distributed to appropriate District staff.

A study was conducted to evaluate the economical alternative between overpassing or underpassing the C.P.R. main railway line crossing the proposed Brandon Eastern Access route.

In conjunction with the R.T.A.C. Vehicle Weights and Dimensions Committee, the Division provided information for the ongoing study of the affects of new standardized truck configurations on bridge structures.

CONSTRUCTION

As well as continuing the supervision of work carried over from the previous fiscal year, 60 contracts and construction orders which included 29 separate projects, were let during the 1986/87 fiscal year.

Construction section staff carried out bridge inspections upon receipt of requests from District Engineers.

An item of special interest is the continued construction of the Red River Bridge north of Selkirk under supervision of the bridge staff, in consultation with the engineering consultant responsible for the design of the bridge.

MAINTENANCE

The maintenance crews worked on approximately 150 separate projects, including bridge construction, bridge modifications, flood repair, painting and cleaning, deck patching and major repairs.

Items of special interest include the repairs to the Assiniboine River truss on P.R. No. 240 and the modifications to the Mossy River truss in the Town of Winnipegosis.

FERRIES

A new all steel ferry was built by Riverton Boatworks in Riverton to replace the old timber Treesbank Ferry on Provincial Road No. 340. The new ferry will begin operating during the 1987 navigation season. The Treesbank Ferry continued to be operated by the Rural Municipality of South Cypress under a grant system.

Subsurface Soil Explorations

The following is a list of major activities undertaken in this fiscal year.

Appropriations	P.T.H. 15-8A	P.R. 15-8A	MAIN MARKET 15-8A	Total
Sites	9	12	2	23
Borings	40	34	8	82
Linear Metres	663	532	186	1 381

Others	No. of Borings	Linear Metres
District 1 P.T.H. No. 4 Road Fill	5	60
District 1 P.R. No. 380 Slide Area	14	178
District 8 P.R. No. 482 Slide Area	7	71
District 8 P.R. No. 363 Re-location	6	113
District 8 Proposed P.R. Shellmouth West	3	42
Govt. Services Morden Land Titles Building	4	37
Govt. Services Brandon Mental Hospital	2	25
Totals	41	526

Field Sampling and Testing

Standard Penetration Tests	731
Vane Shear Tests	300
Shelby Tubes	410
Split Spoon Samples	945

Statement of Bridge Materials Stockpiled at Beausejour and Dauphin

Inventory - April 1st, 1986	$ 954,851.46
Purchases	227,424.40
Charges for Inspection and Handling	16,274.73
Sub-Total	1,198,550.59
Less Issues	317,565.19
Inventory as of March 31, 1987	$ 880,985.40

Summary of Issues

Type of Material Distributed	Quantity	Approximate Unit Price	Total Value
Treated Timber	259.001 m^3	\$473.16/m^3	\$122,549.50
Treated Timber Piles	3 345 m	20.74/m	69,362.23
Steel "H" Piles	1 393 m	55.80/m	77,724.63
Bridge Iron	8 965.868	2.36/kg	21,203.15
Steel Pipe Guardrail	112	57.19/ea.	6,405.28
Steel Beam Guardrail	84	74.08/ea.	6,223.08
Guardrail Terminals	56	21.02/ea.	1,177.14
Paints, Primers	1 188	6.41/L	7,612.60
Timber Joint Preserver	332	6.01/L	1,995.93
Steel "H" Pile Points	4	45.99/ea.	183.97
Polystyrene 2' x 8' sheets	304	9.92/ea.	3,015.68
Cap Brackets	4	28.00/ea.	112.00
		TOTAL	\$317,565.19

Treated timber and treated timber piling accounted for 60% of the total value of bridge materials issued during the fiscal year. The use of treated timber in the previous fiscal year was considerably lower as approximately a dozen or more access and service road bridges were constructed utilizing salvaged treated timber, stringers and decking.

Steel H piling, including steel pile points accounted for approximately 25% of the total value of material. The bridge iron and steel guardrails represented 11% of the total items. Miscellaneous items such as wood preservatives, paints, primers and polystyrene insulation accounted for the balance of 4%.

The only increase in cost of material worthy of note was a 3.2% increase in cost of milled treated timber products. Cost of all other items remained fairly constant, showing only minor fluctuations. Value of year end inventory was reduced by approximately \$73,866.00, representing a 7.7% reduction.

PERSONNEL HEALTH AND SAFETY SECTION

The 1986/87 fiscal year was highlighted with the implementation of two major preventative health programs.

The first was the implementation of the Department's Hearing Conservation Program which involved audiometric testing of approximately 1,800 employees throughout the province. The program emphasized the need for the use of hearing protection when exposed to high noise levels both on and off the job.

The implementation of the Department's Smoking Policy on January 1, 1987 was a major step towards a smoke free environment for Department employees. Phase one of the program included the designation of smoking areas which will protect the non-smokers from the hazards of passive or side stream smoke and will improve the air quality in the workplace.

Injury/Illness Statistics

The Department of Highways and Transportation experienced 119 lost time accidents for a total of 1373 lost working days from March 15, 1986 to March 13, 1987. The most common injuries with the greatest loss of work days were back injuries (49 back injuries - 796 lost working days).

District 7 won the 1986/87 district safety award and the Dauphin Shop (for the second year in a row), won the Mechanical Equipment Service Safety Award.

CLAIMS INVESTIGATION

During the 1986/87 fiscal year, this section received a total of 574 investigations. Of these, 182 investigations were closed as a result of payments made to the public, 53 investigations were closed as a result of payments received by the Department, 177 investigations were concluded as a result of lack of further action and 162 investigations remained outstanding.

	Total	Payments Received	Payments to Public Paid	Claims Pending	Claims Concluded
Claims by the Department	22	5	0	5	12
Claims by the Public	81	0	14	24	43
Complaint about the Departments Operation	4	0	0	1	3
Damage to vehicles due to highway conditions	271	0	168	53	50
Damage to Government Property by vehicles	117	37	0	58	22
Internal and Employee lost or damaged property investgations	19	0	0	13	6
Willful damage to Government Property	56	11	0	6	39

(Cont'd)

	Total	Payments Received	Payments to Public Paid	Claims Pending	Claims Concluded
Request by the Public for Departmental assistance	4	0	0	2	2
The disposition of 117 files carried forward from 1986		40	28		49

MANITOBA'S LONGEST BRIDGE NEAR SELKIRK,
DURING CONSTRUCTION

Planning, Design and Land Surveys

The Planning, Design and Land Surveys Division provides the Department with the necessary planning, programs, roadway design, and legal plans to develop a primary (P.T.H.) and secondary (P.R.) system of roads in the Province; it also provides for the control of land use and access along these highways.

HIGHWAY SYSTEMS PLANNING SECTION

During the 1986/87 fiscal year, highway planning staff were involved in the following major studies and reviews:

- Winnipeg-Selkirk Corridor Highway Routing and Design Study

  This study of the provincial highway system in the Red River Corridor between Winnipeg and Selkirk is being undertaken by the consulting firms of I.D. Engineering Company and DELCAN.

  A meeting was held with area municipalities in December, 1986 followed by public open houses in the Rural Municipality of St. Andrews and in Selkirk during January, 1987. More than 500 people attended the open houses and more than 200 questionnaires were completed. There was considerable support for providing a curbed median on P.T.H. No. 9 and also for protecting right-of-way for future highway corridors; one crossing the Red River near Lockport, and another located between Winnipeg and Selkirk. There was no consensus on the best location for the future route between Winnipeg and Selkirk. Studies are continuing on this issue as a result of concerns raised by the St. Andrews McPhillips Area Resident's Assocation.

- Brandon Eastern Access Route

  A feasibility study was carried out by the Department to determine whether the proposed access route on 49th Street East should underpass or overpass the C.P.R. mainline. It was decided to proceed with the underpass option for economic, technical and aesthetic reasons. The environmental review of the access route is being undertaken through the Southwestern Land Use Committee. Funding has been authorized in the Construction Program to commence the acquisition of right-of-way between the Trans-Canada Highway and Richmond Avenue.

- Trans-Canada Highway (Brandon)

Upgrading, including lighting and signing improvements, is necessary to alleviate immediate operational and safety concerns on the portion of the Trans-Canada highway from east of First Street to west of Eighteenth Street in Brandon. The improvements also include reduction in access points to the main lanes, better service road connections and road surface reconstruction.

A location plan showing the improvements was presented in February, 1987 to the Brandon and Area Planning District Board and City Council, and in March, 1987 to the public at an open house. Reaction to the plan was generally favourable. The Department subsequently was authorized to commence the acquisition of right-of-way and it is intended that this project would be carried out over a three-year period.

- Control Line Study

The last complete review of development control lines and intersection control circles was done in 1969. These lines define the areas adjacent to Provincial Trunk Highways in which placement of structures and construction of access roads to the highway are controlled.

The 1986 Highway Classification Study highlighted the need for review of these control lines in the light of changes made to the system and possible improvements to the controls themselves.

This study's purpose is to review the existing statutory controls, other controls that are available, relevance of controls, and the extent of controls required. Solutions to problems will be identified and recommendations made on the controls that realistically should be applied.

- Development Review

The Department reviews land use and development proposals adjacent to the provincial highway system to maintain a reasonable level of operations and safety for the highway users, and also to protect the considerable provincial investment in the transportation infrastructure.

During the year, more than four hundred zoning by-laws and about fifty land use documents and development plan amendments were reviewed; 769 subdivision proposals were studied and comments submitted to the Municipal Planning Branch or the City of Winnipeg Department of Environment Planning; and 73 road closing/opening by-laws were reviewed and comments sent to the Municipal Planning Branch.

Staff also participated in Local Land Use Committees and other ad hoc committees established to resolve land use issues, and compiled land use information for many projects as part of the geometric design criteria preparation.

Participation also involved attendance at Municipal Board hearings and numerous meetings with developers, municipalities and Planning District Boards.

There were 340 Crown Land proposals reviewed and comments submitted to the Department of Natural Resources. These proposals could affect transportation by air, water and highway and also granular deposits required for construction. The proposals consist of sales, leases and general permits of Crown Land; exchanges of Crown Land with Local Government Districts or reservations of Crown Land for municipal, provincial and federal authorities.

Various requests by municipalities to add municipal roads to the Provincial Road system and to exchange roads were reviewed by the Section.

HIGHWAY PROGRAMMING SECTION

The inventory files for provincial highways were updated to include 1986/87 construction records, highway geometric changes, average maintenance costs, traffic volumes, pavement condition ratings, and accident statistics.

The highway system was analyzed for deficiencies, and sections of highway that required improvement were identified. As in the past, the annual pre-advertising program, the annual construction program and a 3-year highway program were developed during the year. Projects were categorized as either requiring rehabilitation, or upgrading or involving new construction.

- Computerization of P.R. Inventory

The computerization of the inventory of the physical feature of the P.R. system was commenced. As a first step, District personnel were invited to take part in the coding process which involves transferring the existing metric information directly onto coding forms to be input by Computer Services. It is anticipated that a P.R. inventory book will be available at the end of the fiscal year 1987/88.

- P.T.H. Needs Study Metrication

A P.T.H. Needs Study Analysis Program was originally developed in the 1960's using imperial units and highway design standards of the time. Recently, the Department developed a new functional classification system which resulted in revisions to those standards. In addition, the Department has adopted a metrication policy. As a result, work has commenced on a new Program based on the new design standards and metric units. As of March 31, 1987, work was well underway and it is anticipated that the resulting highway programming information will be produced in metric for the first time in mid-1987.

STUDIES AND STATISTICS SECTION

The annual average daily traffic flow map and statistics book were prepared. A truck weight survey was carried out seasonally at 3 permanent weigh scale stations. As well, traffic classification was undertaken at 19 locations on a seasonal basis. Turning movement counts were taken at 61 locations for signal, pedestrian corridor or intersection design studies.

- Land Use and Access Control

The Department provided evidence to 93 Traffic Board hearings where 949 applications for permission to erect structures, advertising signs or to construct approaches to Limited Access Highways were reviewed. A similar review was made of 474 permit applications involving other departmental roads.

The Department attended Public Utilities Board hearings called to deal with appeals by applicants who were previously denied access or building permits by the Highway Traffic Board.

DESIGN AND DRAFTING SECTION

Roadway design activities were undertaken both in the central Design Section and in the district offices. The activities of the Design Section continued to be centered around the more specialized or complex roadway design projects such as multi-lane highways, traffic interchanges, channelized intersections, and urban arterial connections. Generally, the Design Section undertakes the associated design studies and analysis, and the preparation of the functional design plans. The detailed designs and quantity calculations are then prepared by the District Offices.

To supplement Department staff consultants have been engaged for functional design studies for the South Perimeter and North-East Perimeter Functional Design.

The Design Section developed geometric design standards and guides; undertook field inspection trips to evaluate existing design features; coordinated roadway designs with other sections and agencies affected by the Department's proposed highway facilities; and coordinated the review of projects submitted to the Manitoba Environmental Assessment and Review Agency. Other design activities over the past year included the review and investigation of complaints, representing the Department as expert witness at public inquiries, special studies and assignments from head office, and aiding other sections of the Department with subdivision and development reviews.

The Design Section also assisted the District offices by providing engineering guidance and advice when required. Upon completion of the district designs, the Design Section reviewed the plans and profiles prior to submission to Head Office for approval.

The Department has acquired an operational Intergraph CADD-CAM (computer-aided design) system which will enhance the services provided by the Design Section. A number of staff have been trained and the drafting activities are now more cost effective.

The Drafting office updated district, municipal, town and village maps to incorporate the latest information regarding new locations, numbering and surface type. All large scale organized municipal maps were redrawn with metric versions produced for general use.

Information was prepared for a contract to produce a new official highway map for 1987/88 and 400,000 copies were printed.

Drawings for numerous railway and gas pipeline crossings were drafted for locations that affected provincial highways. Over 1,400 sketch plans were prepared for structure and access control. Charts and maps were prepared for the review of proposed subdivisions throughout the Province. Various maps and plans were prepared for rail line abandonment and Crown Land sales in Manitoba. Revisions to location plans were made as required throughout the year. Special photo enlargements were made for various areas throughout the Province, as well as mosaics and charts for special projects such as the Winnipeg-Selkirk Corridor, and the Brandon Area Provincial Highway Study.

LAND SURVEYS SECTION

The Land Surveys Section provides the Department with the Legal Surveys which are the basis for the acquisition of Land for rights-of- way, on essential first stage to most Highway construction projects. Generally, the field activities in this section were somewhat reduced during the fiscal year 1986/87 as compared to the average of the previous three years. There was, however, increased activity in the surveys of surplus departmental lands and abandoned railway rights-of-way being transferred to the Department.

Extra office activities began due to the responsibility for the preparation and consolidation of the regulations containing declarations of Provincial Trunk Highways, Provincial Roads and Access Roads being transferred during the year to this section. A revised format was used to simplify the description of the highways to minimize costs in translation services.

There were more survey requests carried over this year and a reduction in the number of unregistered plans at the Land Acquisition Branch. As of March 31st, 1987, 36 expropriation plans were at Land Acquisition Branch for processing.

Two of the major projects completed during the year were surveys on P.T.H. No. 75 (St. Agathe - South of P.R. No. 205) and P.R. No. 340 (Shilo - P.R. No. 344).

The land acquisition procedure has been revised to allow for negotiation prior to expropriation on all highway projects requiring private lands. This revised procedure will promote more timely acquisition of Highway Right-of-Way without curtailing Legal Survey activity.

The Division was represented on the Canadian Council of Surveying and Mapping.

GENERAL

The Department reviewed 407 Manitoba Telephone System buried cable proposals and 11 major Hydro proposals adjacent to provincial and municipal roads. In all cases, the utility companies were advised where to locate the lines in order to avoid disruption from possible future highway construction operations.

The Division, in conjunction with representatives from the Federal Railway Transport Committee and the railway companies, investigated railway crossings for which signal protection or other revisions had been requested. Approval was received to install signals at six unprotected highway-railway crossings on the provincial highway system. Various abandoned rail lines were also inspected to determine what portions of former railway right-of-way should be retained for future highway purposes.

CL-215 WATER BOMBER DROPPING 5 000 LITRES OF WATER
NEAR THOMPSON, MANITOBA

Engineering and Technical Services

MECHANICAL EQUIPMENT SERVICES

Mechanical Equipment Services provides and maintains equipment and associated materials and services required for the Department's road maintenance program and remote airport and ferry operations.

The six major shop complexes are located in Beausejour, Winnipeg, Brandon, Dauphin, The Pas and Thompson with small satellite shops at Boissevain and Swan River.

A work force of 264 staff-years is incorporated in the delivery of this program.

Total expenditures were $20,147,586.54 while total revenue was $20,010,418.48.

The equipment fleet numbers 2,443 units, including:

Trucks (Light, Medium and Heavy-Duty)	643
Motor Graders	156
Front End Loaders	75
Wheeled Tractors	286
Sand Spreaders	274
Asphalt Mixing Plants	11
Asphalt Rollers	212
Asphalt Kettles	131
Gravel Crushers	2
Cabooses (Trailers)	79
Soils/Rock Drills	2
Brush Cutters	4
Road Sweepers	39
Pavement Markers	7

Ninty-five units in the fleet (3.9%) were replaced while an additional 18 units were purchased for a total cost of $2,776,327.85. The original cost value of the fleet is $36,281,089.34.

A total of 188 snowplows were available for service during the winter.

EQUIPMENT MANAGEMENT SYSTEM

A computerized Equipment Management System is being developed to support the management of equipment utilization and repair and associated activities. Practical aspects of the Preventative

Maintenance Program have been implemented for a portion of the fleet and full implementation of the entire system is now scheduled for the start of the 1988/89 fiscal year.

OPERATOR TRAINING PROGRAM

Two trainers provide instruction programs for equipment operators throughout the province, including courses such as the up-grading of driver's licences and the improvement of operating skills on motor graders and front-end loaders.

BUILDINGS

An existing building located at 1550 Dublin Avenue was acquired for the relocation of the Winnipeg head office and shop operations. Some modifications to these facilities have been carried out. The actual relocation of the office and shop operations is anticipated in the 1987/88 fiscal year.

Mechanical Equipment Services also designed and administered the construction of a two-bay equipment storage complex at Waterhen.

WAREHOUSE STORES

Stores are operated at the major shop locations to supply fuel, repair parts, and commodities for the twelve construction/maintenance districts and other sections of the Department.

An on-line computerized system (APIMS) is used in the Winnipeg area and Brandon Stores to provide data for the management of the inventories. The system will be expanded to include all stores in the new fiscal year. Currently, about 8,000 line items are used in the system.

Total purchases were $6,021,278.51 while total issues were $5,839,904.06. The total inventory in all stores was $3,148,171.01 at the end of the fiscal year.

AIRCRAFT/RADIO SERVICES

AIR SERVICES

Air Services operates and maintains a fleet of twelve fixed wing aircraft, providing the following services to the various departments and agencies of the Government:

- Dedicated Air Ambulance Program for all of the Province of Manitoba;

- Air transportation of government personnel and cargo;

- Flights in support of the Northern Patient Transportation Program;
- Forest fire suppression by water bombing;
- Transportation of court officials and Mineral Resources' field workers;
- Support and assistance to the Emergency Measures Organization;
- Air transportation for hunting and fishing enforcement officials;
- Wildlife census patrols.

The Air Services' fleet is utilized throughout the Province year round, and is authorized by Transport Canada to operate under day and night Visual Flight Rules and Instrument Flight Rules. The three main bases are Winnipeg, Thompson and Lac du Bonnet, with seasonal operations conducted at various other locations throughout the Province.

Flight Agents located at the main bases, coordinate air transportation requirements for government personnel, ensuring full utilization of government owned aircraft, and arranging charters with commercial air carriers.

All Air Services' pilots receive annual ground and flight training, with multi-engine crew members undergoing annual proficiency tests and instrument rating renewals conducted by Transport Canada Inspectors.

All qualified pilots on the Cessna Citation aircraft attend Flight Safety International for recurrent and simulator training, and pilots of the CL-215 water bombing aircraft, undergo annual programmed ground and flight training in-house.

Single engine aircraft pilots receive annual ground and flight training from senior staff, with recurrent training conducted at the commencement of float operations and again at commencement of wheel/ski operations.

Aircraft Maintenance Engineers and Avionics Technicians are trained to aircraft manufacturers standards and are highly skilled in their specialized field.

Routine aircraft servicing and maintenance is conducted at the three bases, with major inspections, overhaul and repair of the multi-engine aircraft handled from the Winnipeg base. Major overhaul and repair work on the single engine aircraft is carried out at the Lac du Bonnet facility.

Aircraft operated by Air Services consist of:

4	Canadair CL-215 Water Bombers
2	Cessna Citation Jets
1	Piper Navajo Chieftain
2	Dehavilland DHC-3 Otters
3	Dehavilland DHC-2 MKIII Turbo Beavers

Air Services performed the following:

	1985/86	1986/87
Total Flight Hours	4 948	4 385
Total Distance Flown (kms)	1 410 845	1 409 453
Total Passengers Carried	7 242	6 305
Total Freight/Cargo Carried (kgs)	225 830	173 235

The general decrease in flying operations was a direct result of low forest fire activity and the sale of two aircraft in early 1986, a Piper Aztec and a Turbo Beaver.

Under the Federal Provincial Cooperative Supply Agreement, the province now operates one CL-215 Water Bomber under lease from the Federal Government, which forms part of the National Air Tanker Fleet. This aircraft was delivered in July 1986.

On January 1, 1986 the provincial Air Ambulance Program officially commenced operations. The service is available twenty-four hours a day and the aircraft is staffed by two Pilots and one Flight Nurse and responds to calls throughout the Province. The service has performed the following:

	January 1, 1986 to March 31, 1986	1986/87
Total Flight Hours	296	880
Total Distance Flown (kms)	141 736	443 979
Patients Carried	134	434

Use of all aircraft was well distributed between departments with the Air Ambulance (Life Flight) Program accounting for 31.5% of all flights, with a total of 443 979 kms.

Utilization by the Attorney General's Department was 18% or 258 235 kms; an increase of 115 416 kms from the previous year. The Department of Natural Resources was the third largest user at 13%, flying 189 702 kms; a decrease of 33 674 kms.

As of March 31, 1987 Government Air Services has flown a total of 47 863 185 kms since its inception in 1932, see tables No. AR2 and AR3.

RADIO SERVICES

The Radio Services Section coordinates the radio communication requirements of the Manitoba Government, under the regulation of the Federal Department of Communications. It operates three well equipped radio shops and four radio service vehicles. The repair and installation shops are located in Winnipeg, Thompson, and Dauphin. Regular service trips are made from Dauphin to The Pas and Brandon, monthly. In addition, service trips are made to important radio sites and bi-annually to airports and radio beacon sites.

Radio Services continued to remove, install, repair and maintain radio communications' equipment for the Manitoba Government and its agencies. Increased quantities of mobile radio equipment were purchased for the Department of Highways and Transportation. Improvements were also made by repeater interconnections in the Minnedosa - Birtle areas. This will allow better snowplow dispatching. Plans for improved radio communication in District 3 and 4 were developed.

Improvements to Airports and Marine resulted from the installation of new scanning type transmitter-receivers. New ground to air transmitter-receivers were also installed at various airstrips in graders, trucks and snowplows. Runway lighting activators were installed at additional airstrips. The Lac Brochet radio beacon site was upgraded by the addition of a monitor receiver and the completion of the facilities operations manual.

The Department of Natural Resources improved its radio system by additional telephone interconnect in Western Manitoba. Red River Valley upgrading for Engineering and Construction was continued as plans were confirmed. The purchase of additional hand held and other equipment improved efficiency at the nurseries.

An additional radio repeater was installed at Brandon and improvements were also made to the radio communications trailer for Emergency Measures.

The Bill C 3 amendment to the radio act will require the Provincial Government to pay radio licence fees. The cost to the Provincial Government will be approximately $150,000 a year and if applied to all agencies, Crown Corporations, cities and towns in Manitoba could cost $1 million per year in added radio licence fees.

MATERIALS & RESEARCH

The following is the breakdown of activities by the technical groups within Materials and Research Services for the fiscal year 1986/87.

GENERAL

Representatives participated in the activities of several organizations including the national Heavy Vehicle Weights and Dimensions Study, the U.S. and Canadian Strategic Highway Research Projects, Roads and Transportation Association of Canada (RTAC) project committee on dust treatments, the Canadian Technical Asphalt Association, several RTAC committees and other technical groups and societies.

Pavement, subgrade and special designs were prepared to meet the needs of the Department's construction, maintenance and rehabilitation programs.

The monitoring of new methods, materials and equipment was maintained and contact was continued with all other Provincial Highway Agencies, Transport Canada, City of Winnipeg and other national, international, public and private organizations involved in the transportation industry.

SOILS AND RESEARCH

Culverts

The inspection of culverts at the manufacturers' plants was limited to evaluating corrugated steel pipes which were greater than 900 mm in diameter and to all arches. Separate plant inspections were conducted on 27 of 40 corrugated steel pipe purchase orders. There were also three orders for reinforced concrete pipe. Field observations of culvert installations were made on several projects which involved the new culvert placement specification.

Grading

General quality control and engineering assistance was provided for 32 grading projects and 1 lime modified subgrade project. Soil compaction was monitored by 11 nuclear density gauges on 26 of these grading projects.

Benkleman Beam

Eleven Benkelman Beam crews were expedited for a 10 week period from March to May to collect deflection information on all AST and bituminous surfaces. This data was used to manage the 1986 highway spring restriction program and to determine the current structural condition of the highway system.

Geotechnical Activities

P.R. No. 238 (P.T.H. No. 9 to Lockport)

Analysis was conducted on 15 distinct sections involving a total length of 3 000 m of riverbank. Areas of concern within these sections ranged from minor shoreline erosion to major slope failures.

The designs for all sections were completed using various combinations of rock berms, sand drains, and rock toe berms and trenches.

P.R. No. 320 (North of Selkirk)

A site investigation and preliminary drilling was conducted to support a future slope stability design phase of the riverbank.

Red River Bridge, North of Selkirk (West Side Approach)

An analysis was conducted to determine consolidation and time rate of settlement. Vertical sand drains were designed and constructed to facilitate and expedite consolidation. The site was instrumented with piezometers and settlement plates and then monitored during and after construction.

P.R. No. 482 (South of P.T.H. No. 5)

The construction of a counterbalance berm on the north hill slide was monitored. The placement of the berm aggravated the porewater pressure condition and therefore failed to stabilize the slide. Groundwater studies were conducted to determine the feasibility of lowering the groundwater levels.

P.R. No. 363 (Togo Road)

A preliminary site investigation for the proposed relocation of P.R. No. 363 west of Big Boggy Creek was conducted. Six boreholes were drilled to confirm the geology and assess groundwater conditions.

Shellmouth Access

A preliminary site investigation was conducted on the proposed relocation route from Shellmouth to the Saskatchewan boundary. Boreholes were drilled to assess the groundwater conditions.

Instrumentation Monitoring

Slope indicators and piezometers were monitored on P.R. No. 482, P.R. No. 478 at Binscarth, P.R. No. 259 at Virden, and P.R. No. 238 at St. Andrews Church.

The drilling summary for subgrade evaluation by the B-30 drill truck is attached. (see table No. X6)

Research Projects

86-1: Evaluation of Steel Slag as Chips in Seal Coats

A preliminary study of the use of steel slag in seal coats was undertaken to evaluate a potential increase in durability and service life.

86-2: Strategic Highway Reserarch Program Study

Candidate sections were selected for consideration by the C-SHRP committee to include in their study of long term pavement performance.

86-3: Guardrail Specifications

A specification covering the requirements for the supply and fabrication of galvanized steel beam guard rail and related elements was developed.

85-2: Highway Transportation Information Study (HITRIS)

A cooperative study with RTAC continued to investigate such factors as: frequency and costs of pavement resurfacing as well as average age to resurfacing.

84-1/85-1: Evaluation of Methods to Minimize the Occurrence of Reflective Cracking in Pavements

- Continued the evaluation of the Bay Mills' geogrid "Glasgrid" placed on an asphalt overlay on P.T.H. No. 1, east of Brandon.
- Continued the evaluation of the "Tensar" geogrid on P.T.H. No. 10, south of Boissevain.

80-2: Evaluation of Dust Control Products

- RTAC Dust Palliative Study
  Chaired the RTAC Steering Committee project which developed the report entitled "Guidelines for Cost Effective Use and Application of Dust Palliatives".
- 1986 Internal Product Dust Control Study
  Managed the monitoring of the performance of dust control products used by the Department in 1986, and produced a report which outlined performance results and the recommended application of each product.

GEOTECHNICAL SECTION (Gravel Resources)

Exploration for new aggregate sources, inventory of existing gravel pits and evaluation and reviewing of Crown Land Development plans were again the general format for this year's work load. The exploration program emphasis was on Crown controlled locations whereas inventory of gravel sources included both Crown-controlled and privately-owned sites. Computerization of the data file was initiated after the summer field session and is in steady progress. Pit rehabilitation agreement with the Mines Branch is still being worked out.

EXPLORATION

Areas of exploration were mainly the continuation of last season's unfinished program. The Duck Mountain (including the area immediately to the east and to the north with particular emphasis on P.R. Nos. 366 and 489) and Lenswood easterly were areas investigated. Some preliminary work was conducted last season at Ketchum Lake Site (P.R. No. 366) and east of Lenswood. The remaining work was completed this year. The area along P.R. No. 489 was surveyed for potential sources for its reconstruction.

In compliance with the restraint policy, only one backhoe crew was maintained. This eliminated the need for a summer student.

INVENTORY

The inventory portion of the program involved updating the files within Study Region 4 and 8. Also, an inventory-update of major pits in District #10 was completed.

PIT REHABILITATION

Meetings were held with the Mines Branch to study the cost and responsibility to rehabilitate depleted pits and quarries. In August, a list of recommendations was submitted to the interdepartmental Planning Board for study. The estimated cost to rehabilitate 14 depleted pits was prepared for next year's budgetting.

GENERAL

Close cooperation was maintained with the Planning, Design and Survey Division in the review of Crown Land development proposals.

The acquisition of a personal computer provided the means for a more efficient data and reporting system. Computerization of the data files commenced during the winter months.

OPERATION

	Backhoe	Power Auger	Totals
Sites Investigated	24	228	252
Holes	229	488	717
Samples Collected	162	496	658
Gravel Discovered	1 862 000 m^3	541 000 m^3	2 403 000 m^3
Sand Discovered	1 209 000 m^3	55 000 m^3	1 084 000 m^3

SURFACING

As in years past, quality control assistance was provided on a regular basis to all paving and some gravel base course projects.

Approximately 412 000 tonnes of asphalt mix were placed, requiring 28 mix designs. Five base and asphalt surface treatment projects were monitored. Approximately 17 500 meters of concrete curb and gutter and 95 500 m^2 of concrete pavement were placed, requiring nine mix designs. Fifteen thousand tonnes of soil cement were also placed.

Interim specifications for bituminous pavement, aggregates for bituminous pavement and aggregate for seal coat cover were written in cooperation with the specification review committee.

The Surfacing Group was again involved with the Project Supervisor's Training School. In addition, a comprehensive Asphalt Inspector's Training School was presented.

MATERIALS TESTING LABORATORIES

The following samples were processed and tested in the Winnipeg Central Laboratory:

	86/87	85/86	84/85
Concrete	1,631	2,122	2,325
Aggregate	1,734	2,824	1,727
Soils	7,110	13,677	7,204
Asphalt - mix samples	1,759	1,144	1,292
- oil samples	421	464	442
Miscellaneous Samples Tested	312	288	200
Total Samples Tested	12,967	20,519	13,190
Total Tests Performed	25,053	31,207	30,425

The following samples were processed and tested in the Brandon Satellite Laboratory:

	86/87	85/86	84/85
Aggregates	1,182	975	880
Soils	1,205	2,770	1,686
Asphalt - mix samples	277	161	166
Total Samples Tested	2,664	3,906	2,732
Total Tests Peformed	8,928	10,016	7,983

TRAFFIC OPERATIONS

The Traffic Operations section is responsible for the safe and efficient movement of persons and goods while maintaining the orderly flow of traffic on the highway system through the utilization of traffic control devices. This section also provides traffic signs on a cost-recovery basis to operating divisions of the Department and to other provincial agencies and departments.

Sign Shop

The Sign Shop produces essentially two types of signs:

- Sheet Signs - a reflective sheeting with silk screened message is applied to either 2 mm or 3 mm aluminum sheet. Typical signs in this group are stop signs and speed limit signs.

- Panel Signs - a reflective sheeting with a cut out hand applied legend is applied to extruded aluminum panels. Typical signs in this group are all green background signs whether they are mounted overhead or beside the road.

The ten largest numbers of sheet signs produced were as follows:

Sign Type	No. of Signs
Barricade Boards	1,476
P.R. Route Markers	1,142
Stop Signs	1,114
Curve Signs	1,088
P.T.H. Route Markers	1,081
Delineators	938
Hazard Markers	892
Services/Facilities	782
Speed Limits	763
Bump Markers	480

Total production during the 1986/76 fiscal year was:

Sheet Signs	7 894.52 m^2
Panel Signs	1 545.25 m^2

FINANCIAL STATEMENT
TRAFFIC OPERATIONS
SIGN SHOP
APRIL 1/86 TO MARCH 28/87

I. Gross Sales (recoveries)			$1,012,354.89
II. Operating Expenses			
labour	$235,656.23		
materials	556,692.16		
freight	7,702.25		
utilities	13,798.92		
miscellaneous	16,403.21		
Total 1986/87		$830,252.77	
1985/86 Expenses paid in 1986/87		2,803.74	
Net 1986/87 Expenses		$827,449.03	
Gross Operating Surplus/loss			$ +184,905.86
III. Inventory			
As of April 1/86			
Manufactured Goods		$289,008.48	
Raw Materials		43,865.52	
Total		$332,874.00	
As of March 28/87			
Manufactured Goods		$293,176.23	
Raw Materials		67,335.55	
Inventory Adjustments			
a) Re-evaluation of partially manufactured goods		2,416.42	
b) Miscellaneous Goods		-49,836.31	
Total		$313,091.89	
Inventory Change			$ -19,782.11
Net Operating Surplus/Loss			$ 165,123.75

In addition to the sign production, the Sign Shop commenced the re-use of old panel signs by stripping the old reflective sheeting and cutting damaged ends from the panels. This process yielded 517.79 m^2 of refurbished sign panels at a cost of approximately $\$25.00/m^2$ compared to approximately $\$65.00/m^2$ which is the cost of purchasing new panels.

SIGN PRODUCTION BY DISTRICT

District	Sheet (m^2)	Panel (m^2)
1	812.43	334.25
2	778.71	141.19
3	594.72	78.87
4	380.40	79.67
5	785.71	76.35
6	512.31	68.54
7	343.10	94.12
8	451.91	160.88
9	544.19	80.50
10	711.51	126.37
11	312.48	58.76
12	228.14	175.23
Other Highways	66.32	43.78
Other Departments	235.26	9.16
Warehouse Stores	811.57	17.58
Contractors, etc.	325.53	---
TOTAL	7 894.52	1 545.25

Construction Inspection

The Construction Traffic Control Inspector reviewed 165 construction and maintenance sites with respect to their adequacy for traffic control to maximize the safety for both the workers and the motoring public.

Additionally, numerous pre-construction meetings with District personnel and contractors were attended to advise on standard traffic control methods.

Illumination

Intersection identification illumination was installed at the following locations for the costs shown:

Intersection	Cost
P.T.H. No. 10 at P.T.H. No. 16 (south junction)	$ 7,965.00
P.T.H. No. 10 at P.T.H. No. 16 (north junction)	4,900.00
P.T.H. No. 16 at P.T.H. No. 16A (east junction)	3,250.00
P.T.H. No. 10/P.T.H. No. 16 at P.R. No. 355	12,320.00
P.T.H. No. 10 at P.R. No. 266	7,700.00
P.T.H. No. 10 at P.R. No. 268	2,575.00
P.T.H. No. 14 at P.T.H. No. 32	4,200.00
P.T.H. No. 14 at Main Street (Winkler)	4,200.00
P.T.H. No. 67 at P.R. No. 230	5,600.00
P.T.H. No. 8 at P.T.H. No. 27	7,900.00
P.T.H. No. 20 at P.T.H. No. 20A (south junction)	2,100.00
P.T.H. No. 20 at P.T.H. No. 20A (north junction)	3,000.00
P.R. No. 364 at Old Mossey River Bridge	300.00

At all locations high pressure sodium fixtures were installed.

These installations resulted in an increase of approximately $5,630 in the annual operating costs paid by the Department for illumination of Provincial roadways.

High pressure sodium illumination was also installed at all merging and diverging points at the interchange of P.T.H. No. 12 and P.R. No. 207 near the Village of Ste. Anne. This illumination was installed at a cost of approximately $59,000 and resulted in approximately a $2,100 increase in the annual operating costs of the Department.

Signing

Existing guide signs were upgraded including breakaway aluminum sign posts and a 10 metre setback, at the following locations:

P.T.H. No. 101 from P.T.H. No. 9 to P.R. No. 204
P.T.H. No. 101 at P.T.H. No. 59
P.T.H. No. 12 at P.T.H. No. 59 in the vicinity of Grand Beach
P.T.H. No. 8 at P.T.H. No. 101
P.T.H. No. 44 from P.T.H. No. 9 to P.R. No. 204
P.R. No. 314 at Nopoming Provincial Park
P.T.H. No. 10 at Grass River Provincial Park

Special Signing Projects:

- A new Provincial Road route marker was developed utilizing the new Provincial logo. These route markers will be phased in over several years on a maintenance replacement basis.

- Twenty-seven communities, as identified in the following list, participated in the second phase of the Community Services Signing Program. This is a cost sharing program with the average community share per sign being approximately $390.00.

Community Name	Number of Signs
Rorketon	1
St. Lazare	2
Crystal City	2
Stonewall	4
Benito	2
Baldur	2
Waskada	2
Binscarth	2
Souris	2
Roblin	4
St. Claude	2
Reston	2
Cartwright	4

Community Name (Cont'd)	Number of Signs
Gilbert Plains	2
Plum Coulee	2
Grand Rapids	2
Teulon	2
McCreary	2
Winkler	3
Hamiota	2
Bissett	2
Ochre River	3
Onanole	2
Grandview	2
Angusville	2
Altona	2
Deloraine	3

New Signs Developed

- A "No Passing Zone" penant sign was developed. This sign will be used to warn of passing restrictions (pavement markings) when the existing pavement markings are obliterated due to construction or maintenance activity. The use of this sign will be supported by the use of the standard release sign "Pass With Care".

- A "Yield to Approaching Vehicles" sign was developed. This regulatory sign will be used under very restricted conditions to control traffic through work areas on low volume roads.

- A "Stop for School Bus When Signals Flashing" sign was developed. This information sign will be installed and maintained at strategic locations throughout the Province.

- A "Maximum 60 When Passing Workers" sign was developed. This regulatory sign will be used in most, if not all construction and maintenance sites, to improve the safety of the highway worker by reducing travel speeds through those work areas where workers are present on the roadway and are exposed to passing traffic.

- A "Possession of Radar Devices is Illegal in Manitoba" sign was developed. This regulatory sign will be installed and maintained at all points of entry into the province to warn or advise motorists entering the province that the possession of radar detecting devices is illegal.

- A standard "School Bus Stop Ahead" sign was developed for use across Canada. The usage of this warning sign will be restricted to those locations where the school bus stop is hidden from the view of approaching motorists.

- A "Watch For Pedestrian" sign was developed. The use of this warning sign will be restricted to locations where a significant number of pedestrians walk along the highway and where their presence would be generally unexpected by the motorist.

Traffic Signals

Two new traffic signal installations were added to the City of Brandon traffic signal network at 18th Street and Brandon Avenue, and at 1st Street and McTavish Avenue. Both installations were coordinated with City Engineers and local Manitoba Hydro Illumination Engineers to relocate overhead wiring and wood poles for aesthetic reasons.

Improvements to intersection geometrics and the addition of state of the art traffic control signals at P.R. No. 221 (Inkster Boulevard) and Sturgeon Road, in the R.M. of Rosser, reduced vehicle delay and significantly improved traffic flow at this location. This signal design displays many highway safety features including:

- Safe pole set back distances
- High pressure sodium illumination
- Combination signal/illumination standards
- Breakaway pole bases
- Aerodynamic wind deflectors (to prevent signal arm bounce)
- Delayed vehicle detection, allowing left turning vehicles to turn on a green ball signal in the absence of opposing traffic.

Underground conduits, concrete bases, traffic detectors and electrical wiring were installed at the intersection of P.T.H. No. 12 and Townline Road in the Town of Steinbach to facilitate the installation of fully actuated traffic signals in the 1987/88 construction season. This control system will feature state of the art non-interconnected time base coordination capabilities. Existing and future traffic signals in the Steinbach area can be added to this system at minimum expense.

Advance warning signals for north and southbound traffic, were installed on P.T.H. No. 100 at the existing signalized intersection of P.T.H. No. 3 and P.T.H. No. 100. This system, utilizing a different sign display, has been successfully used on P.T.H. No. 1 at P.R. No. 240 for a number of years.

Pedestrian Corridors

An internally illuminated pedestrian corridor was installed on P.T.H. No. 10 at Portage Road in the Town of Cranberry Portage. This corridor installation included the new push button and flashing amber warning system.

The installation of flashing amber signals and pedestrian actuated push buttons was completed on all existing pedestrian corridors.

Flashing Signals

A flashing amber signal was installed in the median for westbound traffic on P.T.H. No. 1A (Saskatchewan Avenue) at the new City Mall west of Portage la Prairie.

A flashing amber signal was installed (in the median) for eastbound traffic on P.T.H. No. 1 at the west end of the recently extended divided highway just west of Oak Lake.

Underground conduit, concrete bases, electrical wiring and ornamental sign standards complete with flashing red stop sign signals were installed on P.T.H. No. 67 at the junction of P.T.H. No. 8.

Overhead Sign Illumination

Underground electrical wiring was installed by Manitoba Hydro for three proposed illuminated overhead sign structures on P.T.H. No. 101 in the vicinity of P.T.H. No. 9 and P.R. No. 204.

1986 Pavement Marking Program

The following summary of pavement markings includes repainting existing markings, the painting of new markings on some 800 kilometres of seal coated pavements and the markings on newly constructed roads, as well as work done for towns and villages, the Federal Government and other Provincial Government Departments.

Cost of Pavement Marking Program	$1 469 500.00
Kilometres of center line painted	10 925.00
Kilometres of edge line painted	4 700.00
Average cost of center line per kilometre	76.45
Average cost of edge line per kilometre	116.42
Litres of paint applied	310 800.00
Litres of paint applied on crosswalks	1 077.00
Litres of paint applied on intersection markings	7 325.00
Average litres of paint per kilometre of pavement markings	19.30

Included in the 10 925 kms of centerlines which were repainted are some 1 500 kms of line which were repainted twice and some 400 kms which were repainted three times. Approximately 4 700 kms of the existing 7 500 kms of edge line were repainted this year, with the remaining portion scheduled for replacement in the next fiscal year. In general, intersections and the major highways have edge lines repainted annually.

Accidents

Motor vehicles accidents are a measure of the performance of the highway system. Accurate and concise reporting of accidents is essential to the implementation of mitigation procedures. Accurate data allow the identification of the factors leading up to accidents. Once these factors are known, procedures may be developed to counteract these factors. In 1986, an accelerated review of reporting and checking procedures was implemented. As a result, additional information can be presented with a higher degree of confidence for the 1986 calendar year.

Accident Severity	1985	1986	% Change
Fatal	66	88	+33.0
Injury	1384	1413	+ 2.1
Property Damage	4591	4640	+ 1.1
Total	6041	6141	+ 1.6

Accidents by Weather Conditons	No.	Percentage
Not applicable	45	0.73
Unknown	18	0.29
1 Clear	3793	61.77
2 Cloudy	1164	18.95
3 Raining	275	4.48
4 Snowing	423	6.89
5 Fog or Mist	164	2.67
6 Smoke or dust	12	0.20
7 Freezing rain/sleet/hail	90	1.47
8 Drifting Snow	116	1.89
9 Strong Winds	41	0.67

Accidents by Surface Condition	No.	Percentage
Not Applicable	45	0.73
Other	1	0.02
Unknown	13	0.21
1 Dry	3432	55.89
2 Wet	562	9.15
3 Mud	17	0.28
4 Snow	452	7.36
5 Ice	1467	23.89
6 Slush	50	0.81
7 Loose sand/grave/dust	102	1.66
8 Fresh soil	+0	0

Accidents by Number of Vehicles Involved	No.	Percentage
1	3536	57.58
2	2474	40.29
3	110	1.79
4	13	0.21
5	5	0.08
6	3	0.05

Accident Description	No.	Percentage
1 Rear End	743	12.12
2 Head On	101	1.64
3 Side Swipe (Opposite Direction)	103	1.68
4 Side Swipe (Same Direction)	242	3.94
5 Over Taking (Passing)	126	2.05
6 Right Turn (Rear End)	29	0.47
7 Right Turn (Head On)	20	0.33
8 Left Turn (Head On)	58	0.94
9 Left Turn (Side Swipe)	49	0.80
10 Left Turn (Classic)	163	2.65
11 Right Angle (Intersection)	411	6.69
12 Off Road Right	838	13.65
13 Off Road Left	684	11.14
14 Fixed Object	184	3.00
15 Parking	30	0.49
16 Pedestrian	39	0.64
99 Other	2321	37.80

Accidents By Speed Limit	No.	Percentage
Unreported	369	6.01
50	1439	23.43
60	170	2.77
70	225	3.66
80	165	2.69
90	2464	40.12
100	1309	21.32

Age of Driver	No.	Percentage
Unknown	16	0.26
Under 16	18	0.29
16	193	3.14)
17	227	3.70)
18	266	4.33) - 20.27
19	276	4.49)
20	283	4.61)
21-25	1157	18.84
26-30	741	12.07
31-40	1158	18.86
41-50	689	11.22
51-60	541	8.81
61-70	349	5.68
71-80	195	3.18
Over 80	33	0.54

Accidents by Vehicle Type	No.	Percentage
1 Automobile	3975	64.73
2 Motorcycle	113	1.84
3 Bicycle	5	0.08
4 Moped	0	0
5 School Bus	12	0.20
6 Transit Bus	3	0.06
7 Inter City Bus	5	0.08
8 Bus (other)	8	0.13
9 Pickup or Van	1633	26.59
10 Truck over 5 000 kg	140	2.28
11 Tractor & Semi	158	2.57
12 Motorhome	12	0.20
13 Truck/camper	2	0.03
14 Truck/other	34	0.55
15 Farm Equipment	7	0.11
16 Construction Equipment	13	0.21
17 Snowmobile	4	0.07
18 Snow Vehicle	0	0
19 Train	0	0
20 Ambulance	2	0.03
21 Fire	0	0
22 Police/RCMP	9	0.15

Accidents by Vehicle Type	No.	Percentage
23 Pedestrian	5	0.08
24 Mobility Vehicles	0	0
25 Off Road Vehicle	0	0
26 All Terrain Vehicle	1	0.02
27 Amphibious Vehicle	0	0
28 Dune or Sport Buggy	0	0
29 Off road 4 x 4	0	0

Accidents by Contributing Factor	No.	Percentage
Medical Disability	1	0.02
Physical Disability	2	0.03
Unable to Remember/Confusion	4	0.07
Sudden Illness	3	0.05
Ability Impaired by Alcohol	52	0.85
Ability Impaired by Drugs	2	0.03
Had Been Drinking	55	0.90
Vehicular	262	4.27
Animal Action - Wild	972	15.83
Animal Action - Domestic	90	1.47
Surface Slippery	743	12.10
Snow Drift	54	0.88

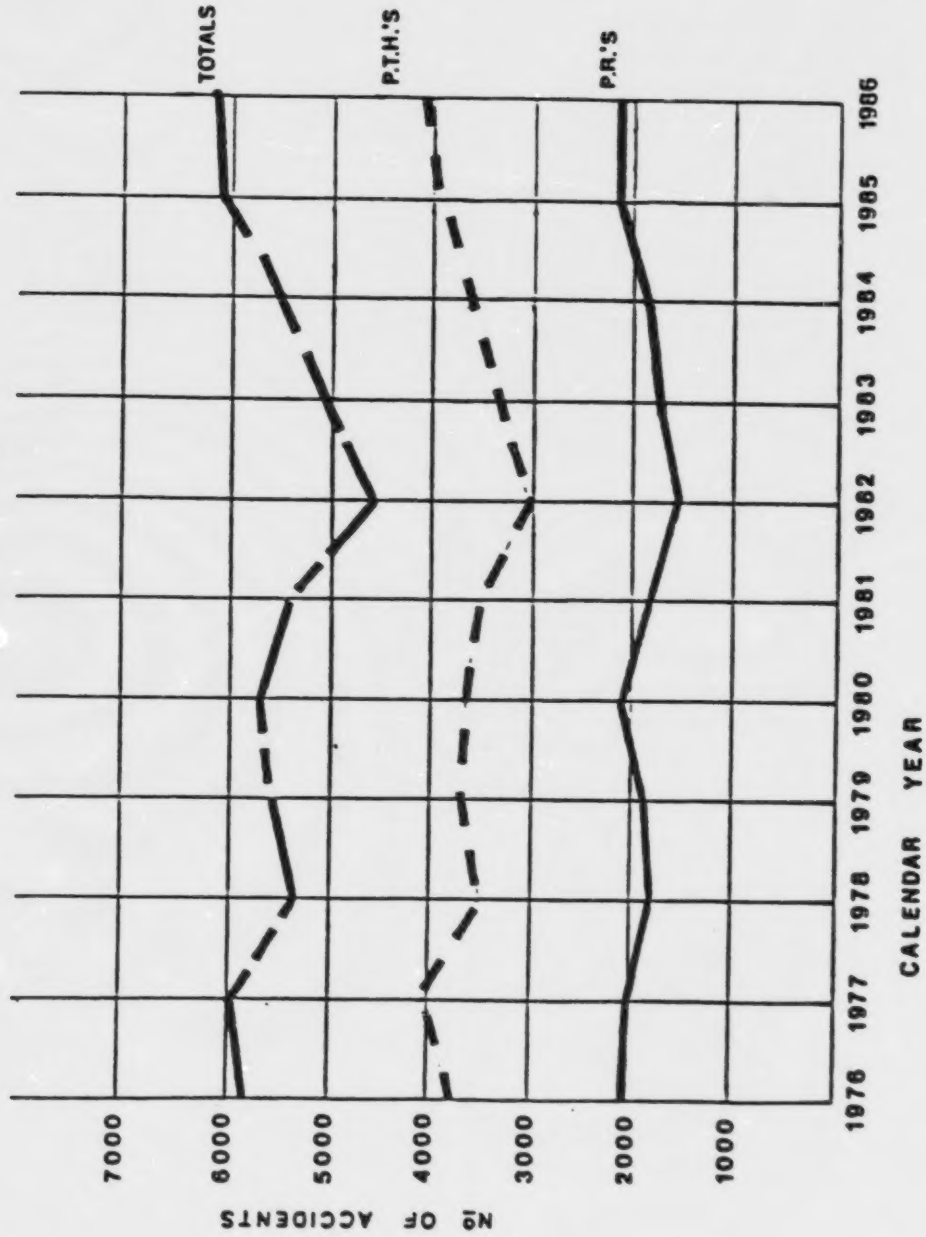
Accidents by Contributing Factor (Cont'd)	No.	Percentage
Obstruction/Debris	47	0.77
View Obstructed	77	1.25
Glare	19	0.31
Construction Zone	20	0.33
Defective Driving Surface	73	1.19
Shoulder Defective	7	0.11
Lane Marking Inadequate	2	0.03
Traffic Control Device Not Working	1	0.02
Wind	20	0.33
Pedestrian Corridor in Use	8	0.13

Accidents By Contributing Factor	No.	Percentage
Not Applicable	1672	27.23
Other	7	0.11
Unknown	104	1.69
Following too Closely	146	2.38
Turning Improperly	118	1.92
Failed to Signal	19	0.31
Driving too Fast For Conditions	365	5.94
Exceeding Speed Limit	41	0.67
Passing Improperly	58	0.94
Changing Lanes Improperly	35	0.57
Failed to Yield R.O.W.	134	2.18
Disobeyed Traffic Control Devices	66	1.07
Driving Wrong Way on Roadway	10	0.16

Accident By Contributing Factor	No.	Percentage
Passing Vehicle at Ped. Crosswalk	5	0.08
Backing Unsafely	43	0.70
Parking Improperly	13	0.21
Careless Driving	84	1.37
Lost Control/Drive Off Road	566	9.22
Driverless Vehicle Ran Out of Control	6	0.10
Leave Stop Sign Before Safe to do so	49	0.80
Blackout Prior to Accident	6	0.10
Extreme Fatigue/Fell Asleep	78	1.27
Defective Eye Sight	2	0.03

ACCIDENT HISTORY

TRUNK HIGHWAYS : PROVINCIAL ROADS



Speed Limit Studies

There were a total of 57 speed limit review studies undertaken and submitted to the Highway Traffic Board for consideration. The major study involved the raising of the speed limits on a number of primary arterial trunk highways from 90 km/h to 100 km/h.

A speed monitoring program during the summer monitored the speeds of vehicles at over 40 locations throughout the province.

Hazard Removal Program

There were approximately 800 metres of guardrail installed at the following locations to protect errant vehicles from nonremovable roadside hazards (sign structures, bridge ends, etc.).

P.T.H. No. 5 at Valley River
P.R. No. 313 at Winnipeg River
P.T.H. No. 5 at Valley River
P.T.H. No. 5 at Salt Creek
P.T.H. No. 83 at Thunder Creek
P.T.H. No. 16 at Whitemud River (Westbourne)
P.T.H. No. 16 at Whitemud River (Woodside)
P.R. No. 291 at Channing

NORTHERN AIRPORTS/MARINE OPERATIONS

AIRPORTS

The airport development program is ongoing and serves to support the provisions of socio-economic and emergency requirements, such as medical retrievals, forest protection, the tourist industry and resource development, to isolated and remote communities in Northern Manitoba.

Twenty-nine airports and aerodromes were operated, maintained and administered, accommodating up to and including Class II Air Service at many of the locations listed:

Nineteen Licenced Airports

Berens River
Bloodvein
Brochet
Cross Lake
God's Lake Narrows
Ilford
Island Lake
Lac Brochet
Lac du Bonnet
Little Grand Rapids
Norway House
Oxford House
Pikwitonei
Red Sucker Lake
St. Theresa Point
Shamattawa
South Indian Lake
Thicket Portage
York Landing

Three Licencable Airports

Grace Lake
Pukatawagan
Tadoule Lake

Seven Emergency Aerodromes

Anama Bay
  (Dauphin River)
Bissett
  (Wallace Lake)
Cormorant
Easterville
Matheson Island
Moose Lake
Poplar River

Projects undertaken in the 1986/87 year included the following:

- The terminal/equipment shop was completed and operational at Tadoule Lake. Gravel crushing was completed and gradework was 85% completed. Airport equipment was purchased and is on site. The estimated completion date of this project is August 15, 1987. The Contractor will most likely build a winter road during the winter of 1987/88 to demobilize his equipment and camp.

- A seven to ten year supply of maintenance gravel was established for the Cross Lake airstrip by drilling, blasting and crushing bedrock.

- The Shamattawa terminal, which was destroyed by fire on January 30, 1986, was replaced by a double-width trailer-type structure.

- Radio equipment (mobiles) was obtained for the Department's equipment at various sites.

- Conditions at the airports influenced issuing 891 Notams, 36 advisories and 145 extensions.

- The Department is under contract with Atmospheric Environment Services Canada in providing weather observing and reporting at three sites - Norway House (since the early 1970's); Berens River (since May 15, 1985) and Island Lake (since April 1, 1986).

- Airport Activity Summary

Airport Activity Summary		Increase over 85/86
Total Aircraft Movements	63 032	10%
Total Passenger Movements	160 279	10%
Total Freight	9 662 tonnes	11%

- At Islandview/Matheson Island 6.5 km of road were maintained through arrangements with the Matheson Island Community Council using departmental equipment.

Staff Development and Training

- A crash, fire and rescue workshop was conducted at Norway House for evaluation by Transport Canada. One staff member from Norway House is a resource person for the crash, fire and rescue program, and now trains others at airport locations as required. Crash, fire and rescue hot drills were conducted by airport personnel at various locations to maintain proficiency levels.

- Workshops were conducted to train airport staff in radio operation, altimeter calibration, weather observation and reporting, NOTAMS and flight advisory administration.

- Ongoing training program on weather observation for staff at Berens River, Island Lake and Norway House airports was undertaken for Atmospheric Environment Services Canada. Continued administration, monitoring and training for 21 sites in the weather observation and reporting program.

- St. John Ambulance First Aid Training courses were delivered to airport staff, resulting in certification of attendees. A certification program in airport safety and security is ongoing.

- Management training workshops for Regional Airport Managers have been held. Certification for successful candidates is anticipated for the fall 1987. A workshop was co-facilitated with the Employee Assistance Program of the Civil Service Commission. Two training workshops were delivered to Marine Operations staff.

- A training centre was established at the Beausejour Maintenance Shop. Airport manuals and handbooks continue to be prepared and updated as required.

MARINE OPERATIONS

The Department owns the following seven ferries which are operated to provide access to remote communities:

The M.V. Charles Robert is operated by the Department and provides access from the end of the road at South Bay to the community of South Indian Lake. Service is provided seven days per week, with two round trips per day during the operational season. The start-up date for service was June 6 and the shut-down date was November 2.

The M.V. Joe Keeper is operated by the Department and provides access from the Thompson-Split Lake road to the community of York Landing. Service is provided on a three day per week, one round trip per day basis. The start-up date for service was June 16 and the shut-down date was October 31.

The M.V. Edgar Wood was leased to Channel Area Community Services Inc. of Princess Harbour and Bloodvein, with an operational grant of $60,000.00. Service was provided from the end of P.R. No. 234 to Princess Harbour and Bloodvein. The start-up date for service was May 20 and the shut-down date was October 24.

The C.F. James Apetagon is operated by the Department and provides access across the east branch of the Nelson River for traffic on P.R. No. 373, to and from the community of Norway House. The start-up date for service was May 3 and the shut-down date was November 7.

The C.F. Thomas A. McIvor was leased to the Cross Lake Indian Band with an operational grant of up to $37,500.00 provided by the Department of Indian and Northern Affairs. This arrangement was a result of the completion of a bridge across the Nelson River between the mainland and the community of Cross Lake in 1985, and the subsequent removal of funding for the operation of this ferry from the Department of Highways budget. The start-up date for service was June 2 and the shut-down date was November 14.

The C.F. Ingemar Carlson was leased to the Matheson Island Community Council with an operational grant of $35,132.26. Service was provided from the end of P.R. No. 234 to Matheson Island. The start-up date for service was April 15 and the shut-down date was November 8.

The C.F. Alfred Settee Sr. is operated by the Department and provides access across the Nelson River at the Pipestone Lake crossing to the community of Cross Lake. The start-up date for service was April 27 and the shut-down date was November 14.

Transportation Policy and Research

The Transportation Policy, Programs and Research Division is concerned with transportation policy, research, planning and coordination. The Division deals with federal and interprovincial liaison and provides advice and support to other government departments and agencies on transportation matters.

The Division actively participates in interdepartmental and intergovernmental committees such as those on urban transportation, energy conservation, rail rationalization, deregulation, transportation of the handicapped, statutory grain rates, physical distribution and transportation statistics. The staff are active on transport related boards, councils and associations and have participated in activities of the Canadian Transportation Research Forum, the Roads and Transportation Association of Canada, the Western Transportation Advisory Council and the Fourth International Conference on Transport and Mobility of the Elderly and Handicapped.

The Division staff are dedicated to improving the quality and effectiveness of transportation to, from, and within Manitoba. They respond to requests for information, advice and assistance on transportation issues from the executive, transport users, transport providers and the community in general. The staff participate in the evaluation of federal transportation policy, programs and research including related agreements, studies and legislative activities.

In order to accomplish this, the Division is organized into four branches:

- Transportation Policy, Transportation Programs, Transportation Research and Transportation Sub-Agreements.

POLICY

The Transportation Policy Branch is responsible for the development, coordination and implementation of policy with respect to both freight and passenger service by all modes; improving the quality and effectiveness of transportation; participating in and evaluating federal transport policy initiatives and related agreements, studies, and legislative activities.

The branch is also responsible for developing briefs and submissions for presentations to federal boards and commissions; assisting intervenors in preparing for hearings; participating in public hearings and generally defending provincial interests in transportation. The range of these activities is illustrated in the following examples.

Manitoba appeared before the Standing Committee on Transport with regard to the deregulation of transportation. The Manitoba submission resulted in a number of positive amendments being made to the legislation on deregulation. The amendments will provide added protection for captive shippers and ensure continuity of service to small and remote communities.

Submissions were developed and presented at Canadian Transport Commission public hearings regarding variable grain rates and cabooseless trains. Representations were also made towards minimizing costs of moving Manitoba grain through the St. Lawrence Seaway system as well as to ensure continuity of service in the longer term.

Plans were developed and activites coordinated resulting in the reinstatement of full federal funding to municipal airports and the minimizing of further operating cuts.

A plan was developed and accepted by Transport Canada to minimize the closure of The Pas airport during the resurfacing of its main runway.

The province and rail retention groups continued to press for construction of a rail link between Poplarfield and Arborg to provide rail access for grain and forest products in the Fisher Branch area. While this proposal has been deferred by the federal government, the coordinated retention initiative convinced the federal government of the need for access to rail service in the region. As a result, they introduced and are funding an off-line elevator demonstration project. Under this program the grain producers continue to haul their grain to elevators at Fisher Branch and Broad Valley. However, instead of moving outbound by rail, the grain is then transferred to commercial trucks and hauled to Arborg for onward carriage by rail. As a result, grain producers are not incurring the additional cost of long farm truck hauls to the elevators at Arborg.

Discussions with CN and the Canadian Transport Commission also enabled pulpwood shipments to be redirected from Fisher Branch to alternate CN points for loading with CN, absorbing some of the cost of the additional truck haul.

A commitment supporting Manitoba objectives and initiatives on the improvement of the Hudson Bay route and the Port of Churchill was obtained from the western provinces at the 1986 Western Premiers' Conference.

Negotiations resulted in CP Rail providing boxcars to CN for the movement of grain to Churchill to alleviate the shortfall in equipment supply experienced in 1986.

Consistent pursuit of federal funding for interprovincial highways culminated in a federal government proposal to cost share improvements to the Yellowhead highway.

An alternative air transportation tax proposal was developed and submitted to the federal transport minister for consideration. The proposal was rejected by the federal minister in favour of the status quo which discriminates against Manitoba air travellers. Efforts towards a more equitable tax structure continue.

The Policy Branch provided ministerial briefing notes and background reports; coordinated action by various departments on transportation policy issues; formulated position papers; identified existing and future problems in transportation; and interpreted federal transportation legislation and policies.

The Branch pressed for improvements to the Western Grain Transportation Act commensurate with producer, community and provincial needs. The province's interests were defended with respect to international maritime agreements on trade, development and exemptions for liner conferences from combines legislation and liability for damages.

PROGRAMS

The Programs Branch provides and administers programs to improve transportation services and their use. These programs include the Physical Distribution Program, the Technical Assistance Program, the Southern and Northern Airport Assistance Programs, and the Program for the Transportation of the Mobility Disadvantaged in Rural Manitoba.

The Physical Distribution (P.D.) Program encompasses a wide range of activities for all types of Manitoba business firms. These range from inventory management, materials handling, warehousing, order processing and transportation of raw materials and finished goods.

During the 1986/87 fiscal year the P.D. Program held six workshops - four on inventory management and two on transportation. All were overbooked indicating strong support for the program by the Manitoba business community. The workshops were attended by 137 participants from 106 firms.

The fourth Annual Shipper/Carrier Conference, organized as part of the P.D. Program, attracted 156 participants from 133 businesses who were interested in learning about the transportation services available to firms in Manitoba.

The Technical Assistance Program provides technical transportation information and assistance to industry, the public and other government departments, as well as providing support to projects undertaken by the Transportation Division.

This demand responsive program of technical support participated in 11 industry location studies. While industry location decisions have not been finalized it has been determined that the transportation information provided has assisted in identifying Manitoba as a preferred location.

Technical information and assistance on transportation was provided to 59 clients and has resulted in a wide range of positive results. A few examples illustrate the broad scope covered by these requests.

The transfer of CN Route to Route Canada resulted in rate increases for northern Manitoba residents. Action was initiated which resulted in significant reductions in the rate increases which had been applied. Representation was also made for refunds for any overcharges.

Residents of rail isolated communities experienced difficulty in receiving delivery of essential commodities such as gasoline which have been classified as dangerous goods. Discussions with Canadian National Railways and Transport Canada identified the correct procedures for handling of dangerous goods. As a result of this activity, the correct procedures were communicated to CN personnel and to the communities. The result was improved service to isolated communities.

Manitoba bee keepers required information on how to transport bees from New Zealand. Convenient routing and handling procedures were determined and relayed to the client.

A shipper was experiencing excessively high transportation costs to move products to Ontario. At his request, a review of alternative carriers was made which resulted in substantially reduced charges for these shipments and savings to the Manitoba firm.

The Southern and Northern Manitoba Airport Assistance Programs provide grants to municipal airport commissions to assist them in the safe operation of their airports. These airports have become an important community asset. They are increasingly being used as a base of operations for aviation firms involved in aerial application of herbicides and insecticides required by Manitoba farmers.

The Program for Transportation of the Mobility Disadvantaged in Rural Manitoba provides three types of grants to municipal governments that have agreed to sponsor a transportation service for the mobility disadvantaged. The grants include a $6,000 start-up grant; a capital grant based on 50 percent of the cost of a capital asset up to a $10,000 maximum; and an operating grant of 37 1/2 percent of gross operating expenses up to a maximum of $20,000.

The program started modestly in 1981 with only four communities. Today there are 30 communities serving a population catchment area of 160,000 people which represents almost 40 percent of the total population of rural Manitoba.

In 1986, a total of 78,861 trips were made transporting mobility disadvantaged persons over 419,000 kilometres. This represents an increase from the previous year of 48 percent in the number of trips and 60 percent in the number of kilometres travelled.

Rural Manitoba's mobility disadvantaged persons took these trips for a number of reasons. The largest single usage was for frail elderly people to attend adult day care centres. The next largest usage was for trips to and from places of employment, followed by schools and recreation. Of all trips taken, 36 percent were quality of life trips - shopping, business and recreation.

The program recognizes that each community is different and permits them to satisfy their varying needs. In Gimli and Selkirk about 40 percent of the trips are for employment purposes. Seventy-five percent of Emerson's trips are for medical reasons while in Souris, 80 percent were in support of adult day care services. Ninety-five percent of the trips taken by Glenboro's mobility disadvantaged were of a recreational nature.

The flexibility inherent in the program is illustrated in the cost to the communities of providing these trips. In 1986 the cost for all 78,861 trips taken averaged $7.48 each - a modest increase of 3.9 percent over the previous year. These costs are for all expenses incurred including depreciation. Individual community costs varied widely - one as low as $2.94 per trip. The differences reflect the many types of organizations and the variety of needs between the communities. The $7.48 average trip cost compares favourably with comparable services in urban centres where the cost per trip averages about $20.00 each.

The high level of interest in providing mobility disadvantaged transportation services to small rural communities led to the recognition that a multi-purpose vehicle may be required. Manitoba successfully persuaded Transport Canada to design and construct such a vehicle. Manitoba and Minitonas, one of the communities in the program, contributed advice and information on the design of the multi-purpose vehicle. The multi-purpose vehicle, which can be used in a handivan or emergency vehicle configuration, was turned over to the province for use in a demonstration. The province turned the vehicle over to the R.M. of Minitonas on a no-charge basis, on the condition that it will be operated in a demonstration project.

RESEARCH

The Transportation Research Branch provides economic research and technical analysis of transportation issues affecting the province. This work is often long-term. The complexity and uniqueness of some issues requires projects to span two or more years. Other projects can be completed within a year, but their findings are the basis for further action by other parties and the final outcome occurs several years later. The branch also responds to more immediate requests for statistical information and technical advice on transportation matters.

Grain transportation issues provided a variety of projects during this year.

The federal Grain Transportation Agency released its interim review of the Western Grain Transportation Act which staff critically analyzed and prepared Manitoba's position paper responding to the GTA's proposals. Later in the year staff worked with Alberta, Saskatchewan and the grain industry to request action on an agreed list of needed amendments.

Manitoba shippers of grain benefited from Branch participation in the Canadian Transport Commission's Grain Costing Review when the Rail Transport Committee was persuaded to limit grain transportation rate increases. One immediate and significant gain was the reduction of the railways' request for a 23 percent cost-of-capital to 18.5 percent. The RTC's recommendations that the percentage contribution to constant costs be reduced from 20 to 17.5 percent must await legislative ammendment by the federal government. These changes represent $5.5 million in savings to shippers over a four year period.

Other Transportation Research activities included an investigation of Manitoba Shippers' interest in forming an export shippers' cooperative to minimize transport costs. Since the study found that there was limited opportunities the matter was pursued no further. The Branch provided a comparison of taxicab service at major Canadian airports, and did an evaluation of a study on the impact of rail branch line abandonment on provincial and municipal roads.

Research activity of a longer term includes an evaluation of possible solutions to existing transportation problems east of Lake Winnipeg, and a proposal for financing highway construction and maintenance through a dedicated federal fuel tax.

Manitoba's transport data needs were priorized for Statistics Canada so that agency could plan its services better, and Manitoba government departments agreed to increase coordination of data requests to Statistics Canada to minimize information costs given increasing user charges.

SUB-AGREEMENTS

The Transportation Sub-Agreements Branch is responsible for the implementation of two federal-provincial agreements. Programs included under the Churchill Sub-Agreement focus on Churchill as a major Canadian port and northern resupply centre. The Transportation Development Sub-Agreement is designed to ensure the continued economic and industrial growth of the transportation industry in Manitoba in keeping with the objectives of both the federal and provincial governments.

The two sub-agreements signed on April 13, 1984 total $240 million and run until 1989. Many of the activities under these sub-agreements are on-going and require a number of years to complete.

The fleet of boxcars required to move grain over many branch lines and to Churchill is rapidly diminishing. A $6 million boxcar rehabilitation program involving 339 cars was completed in 1985. In 1986 the ministers agreed to an $18 million program to rehabilitate 950 cars at the Transcona shops during 1987. This program will ensure adequate rolling stock to carry 750,000 tonnes to Churchill.

The prototype grain car was intended as a replacement to the aging boxcar fleet. One car was built and tested and an economic analysis completed by CN. Although CN could not find fault with the performance of the prototype car they have not recommended its production.

The new tug, the H.M. Wilson, designed specifically to serve the Port of Churchill, became fully opertional towards the end of the 1986 shipping season.

One program specified in the Churchill Sub-Agreement called for a number of studies relating to the Port. These were:

- Grain Shipping Cost Study
- Season Extension Study
- Additional Commodities Study
- Resupply Operations
- Transportation and Tourism

The studies were favourable to Churchill and were released jointly by the federal and provincial ministers on November 6, 1986.

The final report on the Multimodal Terminal Study for Winnipeg has been completed and released to the public. Proposals for a multimodal terminal are being reviewed by interested government departments.

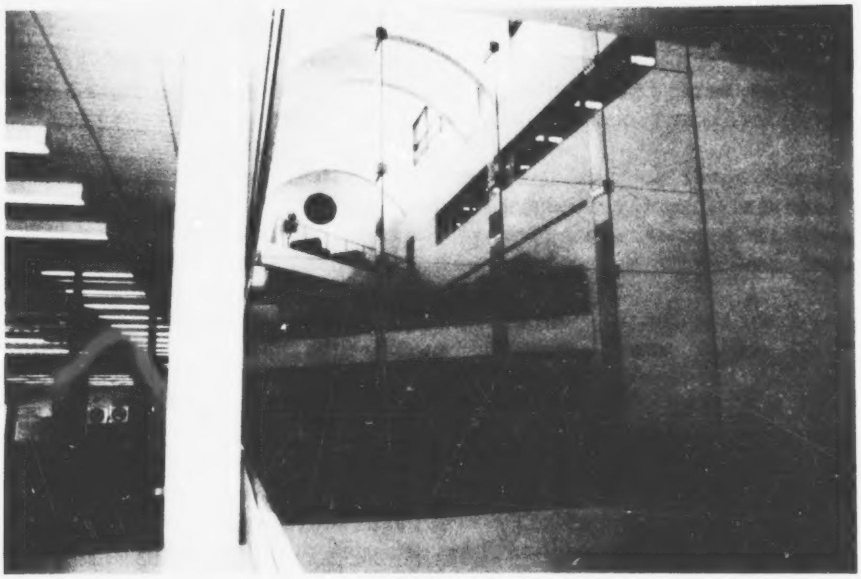
A report on the impact of branch line abandonment was received. A further study was required to determine the variations in conclusions between it and an earlier study.

The Transportation Institute located at the University of Manitoba is in operation. The $15 million building is virtually completed.

The $16 million highway infrastructure improvement program has been completed. Projects under this program were designed to improve safety on Manitoba highways.

For eight weeks during the summer of 1986 and four weeks in late winter of 1987, the railbus carried passengers between Thompson, Thicket Portage and Pikwitonei. The railbus service was a valuable supplement to the three return trips per week by regular VIA Rail train. The passenger carrying demonstration was terminated in late March by VIA Rail and Transport Canada.

General improvements to the CN Station have been completed. This included repairing of the north parking lot, concrete work, fencing around some of the tracks, painting of the dome inside the station and an improved lighting system in the parking lot.



THE NEWLY OPENED TRANSPORT INSTITUTE AT THE UNIVERSITY OF MANITOBA OFFERS SPACIOUS RESEARCH AND LIBRARY FACILITIES

Driver and Vehicle Licencing

The Division is responsible for the administration of driver licencing, motor vehicles registration and driver and vehicle related safety programs.

LICENCING

The basic objective of the Driver Licencing Program is to establish, coordinate and maintain acceptable procedures for the issuance of driver's licences in accordance with provisions established under the Highway Traffic Act, the Manitoba Public Insurance Act, related regulations and departmental policy.

Total active drivers in 1986 numbered 623,406 while suspended drivers numbered 22,069.

The Dealer Section, under the jurisdiction of the Licencing Directorate, is responsible for the development and administration of a program regarding licencing and control of automobile dealers, salesmen, and automobile wreckers in accordance with the Highway Traffic Act, Regulations and departmental policy.

During the year 1986, there were 4,214 dealer plates and 648 dealer permits issued.

Also under the jurisdiction of the Licencing Directorate is the Information Centre, which maintains an information retrieval system providing information on vehicle registrations and driver's licences.

VEHICLE REGISTRATION PROGRAM

The Vehicle Registration Program establishes and maintains systems and procedures designed to register and licence motor vehicles, trailers and snowmobiles in accordance with the Highway Traffic Act and related Acts and Regulations. The program to introduce personalized licence plates for Class A1 passenger vehicles has proven very successful. To date, 10,214 sets of personalized plates have been manufactured.

A pilot project was initiated in 1984 under the Canadian Agreement on Vehicle Registration. The Single Application for Vehicle Registration Project, when completed, will allow the plate jurisdiction to issue a single cab card for proportionally registered vehicles rather than have the carrier apply to each province individually. The target date for implementation is the 1988 registration year.

An Inter-Provincial project is being carried out in co-operation with Motive Fuel Tax and Retail Sales Tax Administrators to develop a uniform distance reporting system for motor carriers which have commercial vehicles operating inter-provincially, and which are eligible for proportional registration fees and tax plans. This plan was implemented on July 1, 1986.

Vehicle registrations in 1986 numbered 817,016; commercial vehicles 34,598; and dealer and repairer registrations 4,257. Motorcycle registrations in 1986 numbered 17,838.

MOTOR VEHICLE INSPECTION PROGRAM

The Motor Vehicle Inspection Program carries out the mechanical safety inspection of vehicles in accordance with standards prescribed, holds surveillance over the safety standards of components and accessories sold for use on registered vehicles, and supports other divisions of the Government respecting vehicle standards.

Of the 25,953 vehicles initially inspected in 1986, under the compulsory program of computerized random selection, 8,596 passed inspection on the first attempt, 17,064 failed, while the remaining 293 were determined to be of such hazardous condition that immediate suspension of registration resulted.

Inspections were also done on 772 vehicles presented on volunteer basis, 170 public service vehicles, 1,751 school buses and 139 ambulances. In addition, as an annual requirement under the City of Winnipeg Taxi Cab Act, 400 taxi cabs, 50 wheelchair vans and 19 limousines were inspected.

A Commercial Vehicle Inspection Program, which requires annual inspection of all vehicles over 21,953 kilograms, was to be initiated May 1, 1987. Under the program, truck tractors will be inspected on a semi-annual basis and semi-trailers on an annual basis.

Other new initiatives within the Licencing Directorate in 1986 included a study of current dirver licence documents issued in Manitoba, with recommendations for significant improvements in security and licencing information, and substantial work toward the development of a National Safety Code (NSC). The NSC is designed, through the participation of all provinces and territories as well as the highway transportation industry, to establish a comprehensive code of performance standards for the safe operation of all commercial vehicles in Canada. Accordingly, the NSC will establish uniform minimum standards for the examination and licencing of drivers; uniform criteria for information to be contained in driver records, including training qualifications, accident reports and traffic law violations, medical qualifications, and provisions for the availability of such information to drivers and their employers. The planned implementation date of the NSC is 1991, to coincide with the timing of complete regulatory reform.

SAFETY DIRECTORATE

The primary responsibility of the Driver Testing Section is to examine applicants to determine whether they have the necessary knowledge, skill, and ability to safely operate a motor vehicle.

In 1986, there were 44,424 road tests administered in the Original Testing Program and an additional 4,181 road tests given as part of the Division's Driver Improvement Program. Total written and oral knowledge tests administered in both programs numbered 99,049.

DRIVER EDUCATION

The Driver Education Section administers the Provincial High School Driver Education Program, and maintains responsibility for the supervision of all Commercial Driving Schools, their instructors and training vehicles.

Since the autumn of 1981, when the Dauphin Ochre School Area No. 1 was legislated to conduct the expanded 15 1/2 year old driver education course, there have been an additional forty-five school divisions and two districts introduced into the program.

During the 1985/86 school year, more than 7,918 students completed the driver education course, with fifty-seven percent of these students participating in the 15 1/2 year old program.

Of the $153 cost of the course, $110 is now contributed by The Manitoba Public Insurance Corporation, $30 by the student, and $13 by the Division of Driver and Vehicle Licencing.

SNOWMOBILE AND BICYCLE SAFETY

The Manitoba Snowmobile Operator's Training Program and the Manitoba Bicycle Safety Training Program are the responsibility of the Snowmobile and Bicycle Safety Section. The section administers the Snowmobile Act and those sections of the Highway Traffic Act pertaining to the use of bicycles and mopeds, and consequently reviews and assesses traffic accident reports falling within these jurisdictions.

The Manitoba Snowmobile Operator's Program is available to all interested citizens in Manitoba, on a correspondence basis. During the winter of 1985/86 2,009 individuals participated in this program.

The Bicycle Safety Training Program, based upon the Canada Safety Council's Safe Bicycling Course, is designed to teach children aged six to thirteen years to properly ride a bicycle, while at the same time providing them the knowledge to recognize and avoid hazardous traffic conditions.

The Bicycle Safety Training Program is offered to elementary schools in Winnipeg, Selkirk, Brandon and Thompson, either through provision of a fully trained instructor to interested schools for a one-week period, or through offering instructional materials to schools for presentation by a faculty member. In 1986, 26,662 individuals were instructed in this program in 1986.

Over the past few years the use of off-road vehicles (all-terrain vehicles, off-road motorcycles etc.) in Manitoba has increased in popularity, resulting in numerous accidents, convictions and public complaints. To deal with these problems, the Division of Driver and Vehicle Licencing, through the Snowmobile and Bicycle Safety office, has put forward a proposal for the introduction of an "Off-Road Vehicles Act". The scope of the proposed legislation is to regulate in a fair and meaningful way the operation of all types of off-road vehicles, including snowmobiles and three and four-wheel all-terrain vehicles which are presently governed by the Snowmobile Act. The proposed Off-Road Vehicles Act will address operator safety, vehicle and owner identification, and environmental effects of off-road vehicle usage.

DRIVER RECORDS AND SUSPENSIONS

The Driver Records and Suspensions Section maintains accurate, up-to-date records on all Manitoba drivers. These records form the base for the Division's Provincial Driver Improvement Program, and are made available to 5 rural branch offices, 11 mobile units, and Manitoba Public Insurance Corporation, the courts and all police enforcement agencies.

The Driver Records and Suspensions Section also maintains responsibility for notifying drivers of suspensions imposed, and the requirements for regaining their licence upon serving their suspension.

DRIVER IMPROVEMENT AND CONTROL

The Driver Improvement and Control Section attempts to identify accident and conviction-prone drivers and to assist them in changing the driving habits and attitudes which have led to their involvement. Where control action is warranted, the driver may be placed on probation or may be referred for driver examinations or a Defensive Driving Course. The action which is taken by the Driver Improvement and Control Section is dependent on the driver's level of accident conviction involvement.

The ultimate goal of the Driver Improvement and Control Section is to reduce the number of fatalities, personal injuries and the amount of property damage which are the direct result of the numerous traffic accidents occuring annually in the province. By monitoring a driver's involvement and by taking appropriate action, the Driver Improvement and Control Section endeavors to make the roadways a safer place for all.

Since an important function of any driver improvement program is public information and education, personnel of the Driver Improvement and Control Section are available for information/education talks to groups such as schools, service clubs and other interested organizations. Members of the Section served the public in this manner on several occasions in 1986.

ALCOHOL AND DRUG ABUSE

The objective of the Alcohol and Drug Abuse Section is to review and assess information which is received regarding a drivers use of alcohol and/or drugs, in accordance with the Highway Traffic Act and its Regulations and with departmental policy.

Drivers convicted of a second or subsequent Criminal Code alcohol/drug related driving offence have been required to submit an assessment report. After an amendment to the Highway Traffic Act on September 10th, 1986, drivers convicted of a first offence are now also required to complete an Impaired Drivers Program. The program is offered by the Alcoholism Foundation of Manitoba and consists of an assessment, educational and/or treatment program.

Where a serious alcohol/drug problem has been identified by correspondence received from physicians, police, courts and family members, a driver may be requested to submit an assessment report from the Alcoholism Foundation of Manitoba or other recognized agency or person engaged in the diagnosis and treatment of chemical dependancy.

Based on the assessment findings and the driver's record, further action may result in cancellation of driving privileges for failing to meet the medical standards or a periodic recall. Drivers may appeal the Division's decision to the Licence Suspension Appeal Board or the Medical Review Committee.

In 1986, the Alcohol and Drug Abuse Section processed 3,667 reports. A total of 707 suspensions were issued.

MEDICAL RECORDS

The primary objective of Medical Records is to establish systems and procedures for the review and assessment of a driver's medical fitness to safely operate a motor vehicle in accordance with the Highway Traffic Act and its Regulations, the guidelines published by the Canadian Medical Association and within departmental policy.

In 1986, a five-year recall period, Medical Records processed 37,309 medical reports. Drivers Action resulted in:

- 1,072 driver licence cancellations; 637 to drivers failing to meet medical standards, 435 for failing to comply with specific requirements.

- 1,263 declasses to a lower class of licence; 179 to drivers for failing to meet the medical standards, 1,084 to drivers for failing to comply.

- 1,728 driver interviews, driver tests completed by a Driver Examiner and driving assessments completed by the Occupational Therapist at the Rehabilitation Hospital were processed.

- 414 Medical Conditional Licences were issued.

SYSTEMS

The Systems and Data Processing Section organizes the collection, storage, transmission and processing of data. This objective is achieved through the effective use of operating procedures and computer technology.

During the past few years, automation and associated procedures have developed extensively and encompass virtually every major function of Driver and Vehicle Licencing. Currently, a highly integrated and complex system supports most operating programs and interacts with external users such as The Manitoba Public Insurance Corporation, police authorities and other government departments. The data needs of each user are captured and processed in 77 different transaction formats and updated to a computer file containing approximately 737,000 driver records.

Information requirements are satisfied by 138 different computer printed reports and 15 on-line display formats which provide internal and external users with instant access to the data stored on individual drivers or vehicles.

The Division's word processing facilities became operational early in the 1985/86 fiscal year. The current configuration consists of 5 terminals, 4 printers and a central processing unit.

Major accomplishments in the area of systems development in 1986 include:

- Development and implementation of major enhancements to the Driver Licencing system to support the Division's new procedure of denying driver licences to those drivers who default on conviction fine payments. Instead of suspending them, under these new procedures any driver who does not pay his fine will not be issued a renewal and any application for a licence will be denied until the outstanding fines are paid in full.

- Development and implementation of the changes required to the Accident Statistics System in order to accommodate the revised traffic accident report.

TRAINING

The Training Services Section provides a support service for the training and development of Driver and Vehicle Licencing staff as well as training of outside agencies utilizing D.V.L.D. forms and information. It also serves as a support service for the development and maintenance of procedure manuals and for the dispersal of highway safety information brochures.

In meeting the requirements of the Workplace Safety and Health Act, Training Services is responsible for the development and administration of a Divisional Safety Program.

RESEARCH AND STATISTICS

The major objective of the Research Section is to collect, maintain and analyze statistical information relative to the Driver and Vehicle Licencing Division. This is accomplished through the conducting of studies and through the provision of information and reports to management, government departments, the general public and external agencies.

ADMINISTRATIVE SERVICES

The Administrative Services Section provides an administrative support function to ten Driver and Vehicle Licencing operating programs and seven branch offices.

FINANCIAL SERVICES PROGRAM

The Financial Services Section collects, accounts for and distributes Government revenues from licencing and insuring drivers and vehicles. It disburses and accounts for expenditures incurred by the Driver and Vehicle Licencing Division, maintains financial records for the purpose of budgetary planning, and provides revenue and expenditure analysis reports to management on a regular basis. This section provides a financial support function to ten programs within the Driver and Vehicle Licencing Division, seven branch offices, and in excess of 200 driver licence agents.

R.M. & VILLAGE OF MINITONAS HANDIVAN

MULTI-PURPOSE HANDIVAN/EMERGENCY VEHICLE OPERATED
BY THE R.M. AND VILLAGE OF MINITONAS UNDER THE
MOBILITY DISADVANTAGED PROGRAM

Highway Traffic Board

The Highway Traffic Board was formed in 1960. Its Members are appointed by the Lieutenant Governor in Council and are responsible for the administration of the Highways Protection Act, portions of the Highway Traffic Act and portions of the Snowmobile Act.

Members and Staff

The Board is comprised of a Chairperson, Vice Chairperson and four members.

The staff presently consists of a Secretary, Administrative Officer 1, Administrative Secretary 3, Two Administrative Secretary 2's and one Administrative Secretary 2 who is on a term position.

Hearings and meetings are scheduled and held in Winnipeg, Brandon, Dauphin and The Pas as central locations but have been held in Onanole, Winkler, Virden, Swan River, Neepawa, Flin Flon and Steinbach, which included on-site inspections and some show cause hearings.

Under the Highways Protection Act, the primary function of the Board is to control the locations of accesses onto and the construction of structures adjacent to major Provincial Trunk Highways within the controlled areas. This is for the purpose of protecting the interests of the public, promoting the safety of persons using the highways and generally furthering the amenities of travel on the highways.

Under the Highway Traffic Act, the Board administers all speed limit regulations, traffic control devices regulations, pedestrian corridor locations, municipal weight limit by-laws, highway classification and bridge restrictions throughout the province.

Under the Snowmobile Act, the Highway Traffic Board is responsible for approval of municipal by-laws requesting locations where snowmobiles may be operated on or across highways. Due to the safety implications the Board has not approved such by-laws for the year 1986.

Accomplishments

Application Fees:

A new Manitoba Regulation #39/87 has been approved for the introduction of a $50.00 Application Fee which began April 1, 1987.

Speeds

Speed Regulations under Manitoba Regulation #130/81 and subsequent amendments have been consolidated under a new Manitoba Regulation #48/87.

Anticipated/Planned Accomplishments

Speeds

Speed Regulations under Manitoba Regulation #217/79 and subsequent amendments have been consolidated but require translation. This is for all speeds of 100 km/h and should be completed by the end of June, 1987.

Control Areas

Under the Highways Protection Act, Manitoba Regulation H50-R1 is being amended and consolidated, targeted for the summer of 1987.

Off-Premise Advertising Signage

A new Draft Policy is being prepared under the Highways Protection Act dealing with all advertising signs along the Limited Access Highways. Completion of the policy is targeted for summer of 1987.

As the jurisdiction of The Highway Traffic Board affects over 200 municipalities, there is frequent consultation with these authorities or designated representatives respecting their concerns, problems or requests.

Traffic Board Activities (Comparative Study)

HEARINGS/MEETINGS	1985	1986
Winnipeg	39	51
Brandon	9	10
Dauphin	6	6
Other Locations	13	6
Winnipeg/Brandon/Dauphin/Other (Show Cause)	12	20
Totals	79	93

APPLICATIONS REQUESTED ADMINISTERED		
- Under The Highways Protection Act		
Structures and Accesses	502	502
Advertising Signs	217	283
Additions	—	--
Totals	719	785

	1985	1986
- Under the Highway Traffic Act		
Speed Limits	100	133
Pedestrian Corridors	7	15
Traffic Control Devices	2	14
By-Laws	6	2
Additions	—	--
Totals	115	164
- Under The Snowmobile Act		
Routes and By-Laws	--	--
Additions	--	--
Totals	--	--
PERMITS ISSUED/REQUESTS APPROVED		
- Under The Highways Protection Act		
Structures and Accesses	300	299
Advertising Signs	107	97
Totals	407	396
- Under The Highway Traffic Act		
Speed Limits	44	73
Pedestrian Corridors	4	6
Traffic Control Devices	2	12
By-Laws	5	2
Totals	55	93
- Under The Snowmobile Act		
Routes and By-Laws	--	--
APPLICATIONS/REQUESTS - DENIED/CANCELLED		
- Under The Highways Protection Act		
Structures and Accesses	32	32
Advertising Signs	56	55
Cancelled	31	27
Totals	119	114
- Under The Highway Traffic Act		
Speed Limits	15	14
Pedestrian Corridors	3	3
Traffic Control Devices	--	--
By-Laws	--	--
Cancelled	—	--
Totals	18	17

		1985	1986
- Under The Snowmobile Act			
Routes and By-Laws		--	--
Cancelled		--	--
	Totals	--	--
APPLICATIONS & REQUESTS DEFERRED			
Structures and Accesses		108	137
Advertising Signs		28	64
Speed Limits		34	44
Pedestrian Corridors		--	3
Traffic Control Devices		--	1
Snowmobile Routes		--	--
By-Laws (All)		1	--
	Totals	171	249
APPLICATIONS & REQUESTS BROUGHT BEFORE THE BOARD FOR DISCUSSION	Totals	64	80
ON-SITE INSPECTIONS	Totals	98	103
REGULATIONS WRITTEN	Totals	122	146
REGULATIONS FILED	Totals	13	16

Licence Suspension Appeal Board

The primary function of The Licence Suspension Appeal Board is to hear appeals of individuals who have had their driver's licences suspended by the Courts or the Registrar of Motor Vehicles. The Highway Traffic Act further provides for the Board to hear appeals for suspensions, cancellations or denials of Driving School Permits, Driving School Instructor Permits, Automobile Dealers Permits and Salesman's Permits.

Public interest and exceptional hardship are the criteria used to determine if an individual is to be granted or denied remission. The decisions of the Appeal Board are final.

Sections 278 and 279 of The Highway Traffic Act provide the authority, jurisdiction and procedures of this Board.

The Board consists of a Chairperson, Vice-Chairperson and nine Board Members. All members are appointed by Order-in-Council and are from all walks of life. Members reside in Winnipeg, Leaf Rapids, Dauphin, Brandon, La Broquerie and Beausejour.

The staff at present consists of a Board Secretary, an Administrative Officer, an Administrative Secretary and 2 Clerk Typists.

Hearing Locations

- Winnipeg - Weekly on Tuesday & Thursday A.M. & P.M. Wednesday as needed.
- Brandon - Bi-weekly on Thursday A.M. & P.M.
- Dauphin - Monthly on Wednesday A.M. & P.M.
- Beausejour/Steinbach - Alternating on bi-weekly basis on Wednesday A.M. & P.M.
- The Pas/Thompson - As needed (approximately 4 times a year)

Activities of the Board

- 3,069 applications were received from January 1, 1986 to December 31, 1986.
- 303 half-day hearings were held throughout the Province.
- Decisions were made on 2,790 applications.
- 279 applications were either cancelled, held pending for various reasons, or the suspensions had expired.

General Information

- There was a 28.4% decrease from 1985 in applications received. This decrease was due to 44.3% fewer applications received for alcohol related offences.
- There was an 18.7% decrease from 1985 in hearings held.
- A waiver of fee was granted in 6 cases.
- 8 applications were processed by way of written submissions.
- 554 applicants had made a previous appeal to this Board, 196 had made two previous appeals, 71 had made three previous appeals and 23 had made four or more previous appeals.
- 76 full remissions were granted, 34 of these were applicants who had operated on a restricted driver's licence for 3 years with no further involvement.

Description of Suspensions

- Section 264 of the Highway Traffic Act

Statutory suspensions imposed automatically on Criminal Code of Canada convictions.

Specific convictions referred to in this report will be Impaired Driving, Refusal to submit to a Breath Test and Operating a motor vehicle with blood alcohol content over .08.

The heading "264 H.T.A. Other" includes such convictions as Dangerous Driving, Leave the Scene of an Accident, Criminal Negligence and Driving while Disqualified.

- Section 273 of the Highway Traffic Act

Suspensions imposed by the Registrar of Motor Vehicles on review of driving record.

- Sections 264 & 273 of the Highway Traffic Act

Combination of the above outline offences.

- Section 24-13 of the Highway Traffic Act

Suspensions imposed by the Registrar of Motor Vehicles to a probationary driver involved in accidents and/or convictions.

- Section 167 of the Highway Traffic Act

  Out of Province suspensions.

- Court Suspensions - Highway Traffic Act

  Suspensions imposed by the Courts on Highway Traffic Act convictions.

- Refusal to Issue by Registrar

  Refusal to issue Driving School Permits, Instructor Permits, Automobile Dealers Permits and Salesman's Permits by the Registrar of Driver & Vehicle Licencing.

SUMMARY OF APPLICATIONS

Total Applications Received - 3,069
Total Hearings Held - 303

Disposition of applications by types of suspension:

(1)	Section 264 Highway Traffic Act		
	Restricted remission	1,113	
	Full remission	78	
	Applications denied	85	
	Sub Total		1,276
(2)	Section 273 Highway Traffic Act		
	Restricted remission	1,369	
	Full remission	5	
	Applications denied	42	
	Sub Total		1,416
(3)	Section 264 & 273 Highway Traffic Act		
	Restricted remission	13	
	Full remission	0	
	Applications denied	2	
	Sub Total		15
(4)	Section 24-13 Highway Traffic Act		
	Restricted remission	77	
	Full remission	0	
	Applications denied	1	
	Sub Total		78
(5)	Section 167 Highway Traffic Act		
	Restricted remission	5	
	Full remission	0	
	Applications denied	0	
	Sub Total		5

(6) Miscellaneous

Court Suspensions - Highway Traffic Act	0	
Refusal to issue by Registrar	0	
Applications cancelled	160	
Applications pending	63	
Suspensions expired	56	
Sub Total		279
TOTAL		3,069

MEDICAL REVIEW COMMITTEE

The Medical Review Committee provides an appeal procedure for individuals who have had their driver's licence suspended, cancelled, declassed or refused issuance of a licence because of medical reasons.

The Committee, upon hearing an appeal, determines whether the standards as set out by the Canadian Medical Association and Manitoba Regulation 61/75 and 20/85 are applied in a fair and equitable manner and whether an exception to the rule may be made. The Committee may confirm, quash or vary the decision of the Registrar of Motor Vehicles and decisions made by the Committee are final.

Jurisdiction

Section 157(4) to 157(8.1) of The Highay Traffic Act provide the authority, jurisdiction and procedures of The Medical Review Committee.

Composition

The Committee consists of a Chairperson (General Practitioner), three Specialists (Cardiologist, Neurologist, Ophthalmologist) and a Lay-Member (Nurse). There are 5 Alternate Members that can be used in the absence of any Committee Member.

Hearing Location

The Medical Review Committee holds hearings in Winnipeg only. Hearings are scheduled as needed and are attended by the Chairperson, the Specialist and a Lay-Member to form a quorum.

Activities of the Committee

- 185 applications were received from January 1, 1986 to December 31, 1986.

- 49 of these applications were for Cardiology.

- 79 of these applications were for Neurology.

- 57 of these applications were for Ophthalmology.

- 20 hearings were held.

- Waiver of fee was granted for four applications.

Statistical information may be found in Tables No. MV1, MV2, MV3 and MV5.

Motor Transport Board

The Motor Transport Board exercises both an intra and extra-provincial jurisdiction in the regulation of the transportation of passengers and freight by motor carriers. It was statutorily created by Section 326 of the Highway Traffic Act and acquires its mandate and executes its responsibilities for its intra-provincial jurisdiction pursuant to Part VIII of the Act. Its extra-provincial jurisdiction arises out of The Motor Vehicle Transport Act (Canada), which authorizes the Board to regulate motor transport extra-provincially "in like manner" to its intra-provincial regulation.

In executing its role, the Board controls entry into the for-hire truck and bus industry on an intra and extra-provincial basis and sets transportation rates and charges intra-provincially. It also establishes minimum insurance and fidelity requirements and generally supervises carriers' operations for the protection of the public.

The national nature of transportation services has made it imperative for continuing liaison and cooperation between the Provinces and the Federal Government. This is effected primarily through the Canadian Council of Motor Transport Administrators (CCMTA), which reports to the Council of Ministers responsible for Transportation and Highway Safety. The CCMTA has four standing committees on Drivers and Vehicles, Motor Carriers, Traffic Safety Programs, and the Transportation of Dangerous Goods, as well as a special committee on the National Safety Code, an initiative for the establishment of uniform national safety standards for commercial vehicles.

The Board is actively involved in the Standing Committee on Motor Carriers and has enjoyed a high national profile since 1975. The Board Chairperson was appointed Vice-Chairperson of this Committee in September, 1986. This Committee has undertaken a continuing program to reduce administrative barriers respecting truck transportation.

Over the past several years, the effectiveness of and the very need for economic regulation of trucking has been seriously challenged, particularly in respect of extra-provincial trucking. In response to legitimate demands for reform and consistent with the Report of the Task Force on Motor Carrier Regulation published in September, 1984, the Board has instituted substantial changes in its regulatory policies and practices, commencing in 1985 and continuing through the current fiscal year.

In March, 1986, the Board substantially extended the List of Designated Commodities. A carrier with Designated Commodity Authority, issued upon proof of fitness only, now may draw on a substantial traffic base, allowing greater operational efficiency, and shippers of the designated commodities have a choice of carriers unlimited by economic entry control.

In April, 1986, in response to concerns regarding the effectiveness of enforcement of economic regulation, the Board instituted a new carrier sanction process, the key element of which is the prosecution before the Board, rather than the Courts, of breaches of the terms of operating authorities. The Board also instituted regular monthly meetings with the Manitoba Trucking Association to discuss specific enforcement issues.

In September, 1986, the Board instituted a new "shared onus" entry policy, through the publication of its Policy Statement No. 10. This policy provides that once an applicant carrier provides some evidence of public benefit from the granting of the application, a carrier in opposition bears an evidentiary onus to refute the evidence of benefit or provide evidence of countervailing public detriment. The Policy Statement, for the first time, itemizes matters the Board considers in determining whether public convenience would be promoted by the granting of an application, and provides a framework for the presentation of the case of each party and for Board decision making. It is also notable that the policy makes it clear an applicant need not establish that the service it proposes cannot be performed as well by existing carriers in order to be successful.

Also in September, 1986, with a view to assisting the rural general freight carriers to recapture freight moving by private carriage, the Board, through a Policy Statement, encouraged the rural carriers to apply for authority to transport for a private carrier within a broad territory. Unfortunately, the carriers have not yet found themselves in a position to take advantage of the policy, and the Board is actively seeking other measures to promote the long term viability of rural general freight service.

During the year the Board was provided with a long awaited second hearing room. Due to the presence of the second hearing room, the extension of the list of designated commodities, the new application process instituted in June, 1985, and the regulatory reform environment generally, the Board has reduced the waiting time for disposition of contested applications to 3 to 4 months in most cases.

In May, 1986, the Board filled the position of Chief Administrator/ Systems Coordinator and significant progress has been made by this individual toward the institution of modern information systems at the Board.

The Board also added a new Board Member, Mr. Ray Major, whose experience with the shipping and carrier communities provides valuable expertise to the Board.

In June, 1986, the Board successfully negotiated a new registration pro-rate agreement with Arizona, after a difficult period resulting from certain changes in Arizona registration legislation affecting out-of-state carriers.

Also in June, 1986, the Board held public hearings on proposed reforms respecting private carriage. These hearings largely formed the basis of a discussion paper prepared by the Board Chairperson in September, 1986 for a CCMTA Task Force on Single Source Leasing, which he chaired. A final decision determining to institute new private carriage and intercorporate hauling regulations in consequence of this process was issued by the Board in February, 1987.

The Board Chairperson has also been active in other Task Groups of the Standing Committee on Motor Carriers throughout the current fiscal year, notably that directing a Study of the impact of deregulation of trucking.

In November, 1986, the Board Chairperson also provided a detailed submission to the United States International Trade Commission, which included suggested provisions for a formal bilateral agreement respecting trade in trucking services. As well, the Board Chairperson was very much involved in Federal-Provincial consultations in connection with The Motor Vehicle Transport Act, 1986, legislation which is proposed to shift the burden of proof on entry to the respondent on January 1, 1988, and sunset entry control for extra-provincial trucking entirely on January 1, 1993.

In November, 1986, the Board established a Household Goods Consumer Complaint Mediation Committee, which is comprised of three Board members and three experienced members of the Household Goods Industry, nominated by the Manitoba Trucking Association. The Mediation Committee hears complaints against Household Goods Carriers and makes non-binding recommendations for settlement.

In the past, the Board developed and established fixed rates and charges for intra-provincial traffic. This fixed rate system was found to be inflexible, arbitrary, and at times unfair. In response to these shortcomings, the Board in February, 1987, following extensive widespread consultations, gained Cabinet approval to prescribe maximum rates only. In connection with the migration to a maximum rate system, a detailed Policy Statement was published which provides guidelines for the determination of when a rate charged by a carrier detrimentally affects the public interest.

Further, the Board determined to substantially change the minimum amount of insurance requirements prescribed by the Board, to be effective April 1, 1987, as follows:

Requirement	Old 1986 Minimums	New 1987 Minimums
PL & PD	$ 50,000	$ 2,000,000
Cargo Insurance	$1 - 6,000	$15 - 32,000
Fidelitity Bond	$ 5,000	$ 5 - 10,000

The Motor Transport Board schedules regular Public Hearings in Room 202-301 Weston Street, Winnipeg, at 9:30 a.m., on every available working day throughout the year. In addition to those in Winnipeg, additional Board Hearings were heard this year in Brandon, Swan River and Boissevain. Two joint hearings (with Ontario, Alberta and Manitoba) were scheduled in Winnipeg and Calgary, to hear concurrent evidence for applications made by two separate extra-provincial carriers.

After cancellations, withdrawals and postponements, the Board held 100 Public Hearings, at which 445 applications were heard, and 50 General Board Meetings at which 390 applications were heard. At the General Board Meetings, 759 additional designated commodity applications were also heard. The 445 Public Hearing applications were resolved as follows:

Approved	303	(68.09%)
Declined	2	(.45%)
Withdrawn	18	(4.04%)
Cancelled	61	(13.71%)
Postponed	2	(.45%)
Dismissed	3	(.67%)
Pending	1	(.22%)
Ordered Show Cause	55	(12.36%)
	445	

Also within the 445 applications, were 257 Federal Carrier applications seeking extra-provincial operating authority. In this capacity as a Provincial Transport Board under the authority of the Motor Vehicle Transport Act (Canada), they were resolved as follows:

Approved	184	(71.60%)
Declined	1	(.40%)
Withdrawn	13	(5.06%)
Cancelled	27	(10.51%)
Postponed	-	---
Dismissed	1	(.40%)
Pending	-	---
Ordered Show Cause	29	(11.30%)
Joint Hearings	2	(.80%)
	257	

SUMMARY OF SHOW CAUSE HEARINGS

	Calendar 1986	June 1 1987
Hearings Scheduled	60	29
Hearings Held	50	14
Hearings Cancelled	10	5
Failed to Appear	8	5
Hearings Not Yet Held	-	10
Revocations	15	5
Reprimands	2	2
Total Fines	$27,650	$1,500
Total Costs	5,150	780
Total Fines & Costs	$32,800	$2,280

VEHICLES REGISTERED

Vehicles Base Plated In Manitoba	1985/86	1986/87	+/-
PSV Trucks	3,297	4,046	+ 749
PSV Quarterly	423	413	- 10
PSV Trailer	23	26	+ 3
PSV Driveaways	42	63	+ 21
Commercial Trucks	20,069	21,512	+1,443
Commerical Trucks Quarterly	1,320	1,384	+ 64
Commercial Trailers	909	974	+ 65
Commercial Driveaways	19	17	- 2
Passenger Buses	153	171	+ 18
Inter-Municipal Liveries	695	776	+ 81
	26,950	29,382	+2,432

VEHICLES REGISTERED UNDER C.A.V.R.

Manitoba Based			
Commerical (CT)	723	781	+ 58
PSV	1,973	2,682	+ 709
U-Drive	67	98	+ 31
	2,763	3,561	+ 798

Out-Of-Province Based			
Commercial (CT)	1,541	1,592	+ 51
PSV	4,967	6,770	+1,803
U-Drive	381	314	- 67
	6,889	8,676	+1,787

REVENUE - 1986/87 LICENCE YEAR

Manitoba PSV Trucks/ Trailers/Driveaways	$2,953,566	
*Weight Increase	34,510	
*Change of Vehicle	2,293	
Non-Manitoba PSV Trucks, etc.	1,179,538	
		$4,169,907
Manitoba PSV Passenger Buses	37,215	
*Change of Vehicle	4	
Non-Manitoba PSV Passenger Buses	1,320	
		38,539
Manitoba Commercial Trucks, Trailers, etc.	3,255,598	
*Weight Increases	17,919	
*Change of Vehicle	2,860	
Non-Manitoba Commercial Trucks, etc.	231,966	
		3,508,343
Country Liveries	11,366	
*Change of Vehicle	15	
		11,381
City Liveries	24,135	
*Change of Vehicle	102	
		24,237
	Total Revenue	$7,752,407

REVENUE COMPARISONS

	1985/86	1986/87	+/-
PSV Trucks/Trailers	$3,577,981	$4,169,907	$ +591,926
PSV Buses	69,142	38,539	- 30,603
Commercial Trucks/ Trailers	3,371,522	3,508,343	+136,821
Inter-Municipal Liveries	31,650	35,618	+ 3,968
Miscellaneous	749,760	724,545	- 25,215
	$7,800,055	$8,476,952	$ +676,897

Miscellaneous Revenues above itemized as follows:

	1985/86	1986/87	+/-
Single Trip Permits	$ 468,443	$ 415,276	$ - 53,167
Transit/Breakdown Permits	1,655	1,309	- 346
Limited Permits	15,615	9,300	- 6,315
Administration Fees	38,310	35,954	- 2,356
C.A.V.R. Fees	156,143	86,191	- 69,952
M.T.B. Hearing Fees & Costs	69,594	173,315	+103,721
M.T.B Operating Authority Fees	--	3,200	+ 3,200
	$ 749,760	$ 724,545	$ - 25,215

Taxicab Board

The Taxicab Board, created by the Taxicab Act, is composed of a member of the Council of the City of Winnipeg, the Chief Constable of the Police Force of the City of Winnipeg and three other persons appointed by the Lieutenant-Governor in Council.

During the fiscal year 1986/87, the Board issued 1,996 taxicab driver licences but 48 licence applications were rejected because the applicants either lacked sufficient knowledge of the City of Winnipeg, were on probation at the Safety Division or otherwise failed to meet the Board's requirements for a taxicab driver.

The number of taxicabs authorized to operate in the City of Winnipeg remained at 400, as in the previous year. However, the Taxicab Board authorized the licencing of 19 additional vehicles to be used for weddings, funerals, V.I.P. and sightseeing tours, including limousine service from the Winnipeg International Airport to downtown hotels and downtown places of business.

On June 30, 1986, commercial wheel-chair handicapped vans became regulated by the Taxicab Board.

On March 1, 1987, the Taxicab Board began licencing vehicles a minimum of 25 years old as classic car limousines.

On December 1, 1986, the fee for a taxicab driver licence was increased to $10.00 from 1.00.

On March 1, 1987, the fees for taxicab and drive-yourself business licences were increased to $100.00 from $1.00.

For many years, the Taxicab Board has allowed licenced taxicab operators to add extra taxicabs during the winter holiday season. There were 80 additional taxicabs operating from December 1, 1986 to February 28, 1987 representing an increase of 27 over 1985/86.

On February 1, 1987, J. Allan MacDonald was appointed Chairperson of The Taxicab Board replacing Jim Derksen who resigned to assume a new position.

In 1987 an additional taxicab inspector will be appointed to patrol the streets of Winnipeg.

Written tests will be put in place for taxicab drivers.

A taxicab driver safety program will be implemented through the cooperation of the Departments of Enviroment and Workplace Safety and Health, Driver and Vehicle Licencing and The Taxicab Board.

Summary of Revenues:

	1984/85	1985/86	1986/87
Taxi and U-Drive Licence Plates	$ 180,897.00	$ 171,684.00	$ 223,544.00
Change of Vehicle	2,077.00	3,350.00	689.00
Taxicab, U-Drive Business Licence and Taxicab Driver Licence	2,140.00	2,816.00	3,655.00
	$ 182,974.00	$ 194,258.00	$ 227,888.00

Summary of Licences Issued:

	1984/85	1985/86	1986/87
Taxicab Business	204	217	574
Drive Yourself Business Licence	99	104	120

NOTE: This Report is for the Licence Year March 1, 1986 to February 28, 1987.

ADMINISTRATION SECTION
TABLES A1 THROUGH A14

SUMMARY OF GROSS EXPENDITURES

Table No. A1

Administration and Subsidiary	$ 30,419,498.32
Assistance	5,781,664.51
Construction	84,309,910.19
Maintenance	49,940,286.14
Mechanical Equipment Services	137,168.06
Warehouse Stores	679,779.69
Driver and Vehicle Licencing	13,634,317.74
Miscellaneous**	11,688,363.01
Air and Radio Services*	3,812,633.10
Winter Truck Roads	2,546,350.80
Transportation	251,726.69
	$203,210,698.25

**15-8H-99	Recovered from the Department of Finance	$ 4,892,016.29
*15-8E-3	Recovered from Northern Affairs	$ 1,612,339.88

ADMINISTRATION AND SUBSIDIARY EXPENDITURES

Table No. A2

APPROPRIATION	DIVISION	AMOUNT
15-1A & B	Executive Support	$ 353,530.80
15-1C	Administration Services	518,440.65
15-1D	Financial Services	579,810.15
15-1E	Personnel Services	591,539.03
15-1F	Computer Services	1,036,819.67
15-2C	Operations & Contracts	1,372,053.37
15-2D	Bridge Office	2,086,276.27
15-2E	Traffic Inspection	1,755,425.95
15-2F	District Offices	8,655,671.53
15-3A	Planning & Design	1,820,910.90
15-3B	Surveys & Titles	945,139.09
15-4A	Management Services	122,158.04
15-4D-1	Northern Airports	2,266,940.48
15-4E	Marine Services	840,335.60
15-4F	Laboratory	1,326,091.11
15-4G	Traffic Operations	3,858,524.48
15-4H	Air/Radio Services	1,341,571.85
15-5A-B	Transportation Division	948,259.35
		$30,419,498.32

AIDES TO CITIES, TOWNS, VILLAGES AND UNINCORPORATED VILLAGES AND WORK IN UNORGANIZED TERRITORY

Table No. A3

APPROPRIATION	PURPOSE	AMOUNT
15-8B	Aides to Cities, Towns, Villages and Unincorporated Villages	$1,147,119.33
	Grant equal to 50% of the cost of approved street construction projects.	
15-8C	Work in Unorganized Territory and Disorganized Municipalities	4,140,800.54
	Activity provides for construction and maintenance in Unorganized Territory on 50/50% or 100% basis depending on category of road.	
15-8D	Access to Remote Communities	493,744.64
		$5,781,664.51

CONSTRUCTION

Table No. A4

APPROPRIATION	PURPOSE	AMOUNT
15-8A	Provincial Trunk Highways	$36,650,952.24
	Provincial Roads	47,527,686.14
	Yellowhead Route	131,271.81
		$84,309,910.19

MAINTENANCE

Table No. A5

APPROPRIATION	PURPOSE	AMOUNT
15-2A	General Maintenance on Provincial Trunk Highways	$17,858,621.15
	General Maintenance on Provincial Roads	28,840,531.44
	Miscellaneous Expenditures	
	Vacation & Sick Leave	2,747,630.58
	Maintenance Management	259,743.02
	Maintenance Materials Holding Account	266,582.04
	Administrative Overheads	(32,821.82)
		$49,940,286.41

MECHANICAL EQUIPMENT SERVICES APPROPRIATION 15-4B

Table No. A6

Other Expenditures) Equipment & Tools) Building & Storage Yards)	$20,147,586.54	
Sub Total		$20,147,586.54
Less Machine Rentals		20,010,418.48
	TOTAL	$ 137,168.06

WAREHOUSE STORES
APPROPRIATION 15-4C

Table No. A7

Other Expenditures	$ 498,405.24	
Purchases	6,021,278.51	
Sub Total		$6,519,683.75
Less Recoveries		5,839,904.06
	TOTAL	$ 679,779.69

DRIVER AND VEHICLE LICENCING

Table No. A8

BOARDS AND COMMITTEES

APPROPRIATION	PURPOSE	AMOUNT
15-6A	Management Services	$ 3,059,126.06
15-6B	Driver Licencing and Vehicle Registration	1,386,155.58
15-6C	Safety	5,628,789.63
15-6D	M.P.I.C. Cost Sharing Agreement	2,424,869.76
15-7A	Highway Transport Board,	558,145.41
15-7B	Highway Traffic Board	217,671.09
15-7C	Licence Suspension Appeal Board and Medical Review Committee	220,017.25
15-7D	Taxicab Board	139,542.96
		$13,634,317.74

MISCELLANEOUS EXPENDITURES

Table No. A9

APPROPRIATION	PURPOSE	AMOUNT
15-2G-1 & G-2	Maintenance & Construction	$ 2,525,588.98
15-8E-1B	Gravel Exploration	62,335.42
15-8E-1C	Highway Equipment	693,438.86
15-8E-1D	Water Bomber Contract (CL215)	3,832,559.54
15-8E-1E	Equipment Storage Buildings	457,391.08
15-8E-1F	Improvements to Weigh Scales	69,339.57
15-8E-1G	Ferry Landing Improvements	42,795.21
15-8E-1H	Grants - Mobility Disavantaged	60,000.00
15-8E-1J	Ferries Major Repairs	125,907.92
15-8E-1L	Highway Equipment Reduction	(922,000.00)
15-8F-1 & F-2	Bridge Timbers & Materials Stockpiled	(73,866.06)
15-8G-1 & G-2	Purchase Crushed Gravel	(77,143.80)
15-8H-1 & H-2	Jobs Fund Construction** (Recoverable from Jobs Fund)	4,892,016.29
		$11,688,363.01

**See Table No. A1 (15-8H-99)

AIRCRAFT/RADIO SERVICES NORTHERN AIRPORTS/MARINE OPERATIONS

Table No. A10

APPROPRIATION	PURPOSE	AMOUNT
15-4D-2	Other Expenditures	$1,304,285.35
15-8E-1A	Minor Improvements to Airports	581,666.32
15-8E-2A	Airport Development * (Recoverable from Northern Affairs)	1,612,339.88
15-8E-1K	Community Roads	314,341.55
		$3,812,633.10

* See Table No. A1 (15-8E-3)

WINTER TRUCK ROADS, CONSTRUCTION AND MAINTENANCE

Table No. A11

APPROPRIATION	PURPOSE	AMOUNT
15-2B-1	Winter Truck Roads	$ 113,359.96
15-2B-2	Winter Truck Roads	2,432,990.84
		$2,546,350.80

TRANSPORTATION POLICY AND RESEARCH

Table No. A12

APPROPRIATION	PURPOSE	AMOUNT
15-5C	Rural Transportation Grants for the Mobility Disadvantaged	$251,726.69
15-5D-1A & 1B	Churchill	61,170.42
15-5D-2A	Transport Development***	73,789.44
15-5D-2B	Other Expenditures***	653,776.24
	Sub Total	1,040,462.79
	***Less Recoveries 15-5D-99	(788,736.10)
	TOTAL	251,726.69

FINANCIAL REPORT
YEAR ENDED MARCH 31, 1987
EXPENDITURES

The following pages provide a summary report on Highways and Transportation expenditures in the fiscal year 1986/87, a comparison of actual expenditures to the amount approved by the Legislature for each appropriation and an explanation of significant expenditures to vote variances.

The 1986/87 fiscal year ended with a $0.9 million surplus in comparing actual expenditures to main estimates. The surplus is mainly attributed to a $2.9 million surplus in other capital projects and being partially offset by increased expenditures of $1.3 million in construction, $0.5 million in maintenance and $0.2 million in operating expenditures. Significant expenditure variances are explained at the conclusion of this report.

Further expenditure detail will be found on pages providing program information. Expenditure detail is provided for variance levels as follows:

Size of Total Allotment	Level of Significance
Up to $500,000.00	Over 20%
$500,100.00 to $1,000,000.00	20%
$1,000,100.00 to $5,000,000.00	15%
$5,000,000.00 and over	10% or $2,000,000.00

TABLE NO. A13

EXPENDITURE SUMMARY
BY APPROPRIATION

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-1	Administration and Finance				
	(a) Minister's Salary	10,266	10,300	(34)	
	(b) Executive Support				
	Salaries	270,785	277,500	(6,715)	
	Other Expenditures	72,480	81,900	(9,420)	
	(c) Administrative Services				
	Salaries	477,789	456,000	21,789	
	Other Expenditures	40,615	47,500	(6,885)	
	(d) Financial Services				
	Salaries	515,249	522,100	(6,851)	
	Other Expenditures	64,561	68,400	(3,839)	
	(e) Personnel Services				
	Salaries	506,830	498,000	8,830	
	Other Expenditures	84,709	85,000	(291)	
	(f) Computer Services				
	Salaries	611,770	663,000	(51,230)	
	Other Expenditures	425,050	551,300	(126,250)	1
	TOTAL 15-1	3,080,104	3,261,000	(180,896)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-2	Operations and Maintenance				
	(a) Maintenance Program	49,940,286	49,415,000	525,286	
	(b) Winter Roads				
	100% Provincial	113,360	100,000	13,360	
	Shareable	2,432,991	2,502,000	(69,009)	
	(c) Operations and Contracts				
	Salaries	1,092,914	1,108,000	(15,086)	
	Other Expenditures	279,139	279,500	(361)	
	(d) Bridges and Structures				
	Salaries	1,287,602	1,315,000	(27,398)	
	Other Expenditures	98,176	95,400	2,776	
	Bridge Maintenance	700,498	775,000	(74,502)	
	(e) Traffic Inspection				
	Salaries	1,446,200	1,454,000	(7,800)	
	Other Expenditures	309,226	319,000	(9,774)	
	(f) District Offices				
	Salaries	7,490,570	7,568,700	(78,130)	
	Other Expenditures	1,165,102	1,100,000	65,102	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-2	Operations and Maintenance (Cont'd.)				
	(g) Other Jurisdictions				
	Gross Expenditures	3,810,647	5,600,000	(1,789,353)	2
	Less: Recoverable from Other Appropriations	(1,285,058)	(3,665,000)	2,379,942	2
	TOTAL 15-2	68,881,653	67,966,600	915,053	
15-3	Planning, Design and Land Surveys				
	(a) Planning and Design				
	Salaries	1,557,258	1,563,000	(5,742)	
	Other Expenditures	263,653	333,500	(69,847)	3
	(b) Land Surveys				
	Salaries	780,657	800,000	(19,343)	
	Other Expenditures	164,482	166,500	(2,018)	
	TOTAL 15-3	2,766,050	2,863,000	(96,950)	
15-4	Engineering and Technical Services				
	(a) Management Services				
	Salaries	117,882	116,000	1,882	
	Other Expenditures	4,276	5,700	(1,424)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-4	Engineering and Technical Services (Cont'd)				
	(b) Mechanical Equipment Services				
	Salaries	6,963,297	7,264,400	(301,103)	
	Other Expenditures	13,184,289	13,436,400	(252,111)	
	Less: Recoverable from Other Appropriations	(20,010,418)	(20,700,800)	690,382	
	(c) Warehouse Stores				
	Salaries	354,569	440,000	(85,431)	
	Other Expenditures	143,836	144,100	(264)	
	Purchases	6,021,279	8,000,000	(1,978,721)	4
	Less: Recoverable from Other Appropriations	(5,839,904)	(8,200,000)	2,360,096	5
	(d) Northern Airports				
	Salaries	2,266,941	2,385,000	(118,059)	
	Other Expenditures	1,304,285	1,250,400	53,885	
	(e) Marine Services				
	Salaries	459,433	422,100	37,333	
	Other Expenditures	380,902	397,900	(16,998)	
	(f) Materials and Research				
	Salaries	1,175,312	1,290,000	(114,688)	
	Other Expenditures	150,779	147,000	3,779	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-4	Engineering and Technical Services (Cont'd)				
	(g) Traffic Operations				
	Salaries	588,107	601,000	(12,893)	
	Other Expenditures	4,282,773	4,259,400	23,373	
	Less: Recoverable from Other Appropriations	(1,012,355)	(950,000)	(62,355)	
	(h) Government Air and Radio Services				
	Salaries	3,046,303	2,985,400	60,903	
	Other Expenditures	2,633,365	3,521,200	(887,835)	6
	Less: Recoverable from Other Appropriations	(4,338,096)	(5,363,300)	1,025,204	6
	TOTAL 15-4	11,876,855	11,451,900	424,955	
15-5	Transportation Policy and Research				
	(a) Salaries	702,609	715,200	(12,591)	
	(b) Other Expenditures	245,686	301,700	(56,014)	
	(c) Rural Transportation Grants for the Mobility Disadvantaged	251,727	318,000	(66,273)	7

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-5	Transportation Policy and Research (Cont'd)				
	(d) Jobs Fund				
	Churchill Development	61,170	140,900	(79,730)	8
	Transportation Development	727,566	1,193,700	(466,134)	9
	Less: Recoverable from Jobs Fund	(788,736)	(1,334,600)	545,864	10
	TOTAL 15-5	1,200,022	1,334,900	(134,878)	
15-6	Driver and Vehicle Licencing				
	(a) Management Services				
	Salaries	1,774,726	1,771,400	3,326	
	Other Expenditures	1,284,400	1,309,800	(25,400)	
	(b) Licencing				
	Salaries	787,419	766,300	21,119	
	Other Expenditures	598,736	554,600	44,136	
	(c) Safety				
	Salaries	4,067,585	4,069,100	(1,515)	
	Other Expenditures	1,561,205	1,752,800	(191,595)	
	(d) Manitoba Public Insurance Corporation Cost-Sharing Agreement	2,424,870	2,330,900	93,970	
	TOTAL 15-6	12,498,941	12,554,900	(55,959)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-7	Boards and Committees				
	(a) Motor Transport Board				
	Salaries	493,101	516,700	(23,599)	
	Other Expenditures	65,045	80,400	(15,355)	
	(b) Highway Traffic Board				
	Salaries	150,525	160,000	(9,475)	
	Other Expenditures	67,146	54,000	13,146	11
	(c) Licence Suspension Appeal Board				
	Salaries	176,321	191,400	(15,079)	
	Other Expenditures	43,696	60,000	(16,304)	12
	(d) Taxicab Board				
	Salaries	118,883	107,000	11,883	
	Other Expenditures	20,660	20,100	560	
	TOTAL 15-7	1,135,377	1,189,600	(54,223)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-8	Expenditures Related to Capital Assets				
	(a) Construction and Upgrading of Provincial Trunk Highways, Provincial Roads and Related Projects	84,309,910	83,000,000	1,309,910	
	(b) Aid to Cities, Towns and Villages	1,147,119	1,294,000	(146,881)	
	(c) Work in Local Government Districts and Unorganized Territory	4,140,800	4,470,400	(329,600)	
	(d) Access to Remote Communities	493,745	600,000	(106,255)	
	(e) Acquisition/Construction of Physical Assets				
	Airports Improvements	581,666	1,197,000	(615,334)	13
	Gravel Pits	62,335	98,000	(35,665)	14
	Highways Equipment	693,439	696,000	(2,561)	
	Water Bomber Equipment	3,832,560	4,087,600	(255,040)	
	Highway Buildings and Storage Yards	457,391	631,000	(173,609)	15
	Improvements to Weigh Scales	69,340	75,000	(5,660)	
	Ferry Landing Improvements	42,795	45,000	(2,205)	
	Rural Transportation Grants for the Mobility Disadvantaged	60,000	80,000	(20,000)	16

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-8	Expenditures Related to Capital Assets (Cont'd)				
	(e) Acquisition/Construction of Physical Assets (Cont'd)				
	Ferries	125,908	165,000	(39,092)	17
	Norway House Community Roads	314,342	300,000	14,342	
	Highways Equipment	(922,000)	--	(922,000)	18
	Bridge Materials - Purchases	243,699	500,000	(256,301)	19
	Bridge Materials - Issues	(317,565)	(500,000)	182,435	19
	Crushed Gravel - Purchases	2,974,441	3,200,000	(225,559)	
	Crushed Gravel - Issues	(3,051,585)	(3,000,000)	(51,585)	
	Northern Development Agreement Canada - Manitoba				
	Airport Development	1,612,340	1,650,000	(37,660)	
	Less: Recoverable from Northern Affairs	(1,612,340)	(1,650,000)	37,660	
	Jobs Fund				
	Churchill Development	2,505,117	4,850,000	(2,344,883)	20
	Transportation Development	2,386,899	3,252,700	(865,801)	21
	Less: Recoverable from Jobs Fund	(4,892,016)	(8,102,700)	3,210,684	10
	TOTAL 15-8	95,258,340	96,939,000	(1,680,660)	
	NET EXPENDITURES	196,697,342	197,560,900	(863,558)	

TABLE NO. A13

EXPENDITURE VARIANCE EXPLANATIONS
ACTUALS VS MAIN ESTIMATES

EXPLANATION NUMBER | EXPLANATION

1. Decreased expenditures due to delayed enhancement of existing word processing system and deferred purchases of computer equipment.

2. The decrease in gross expenditures and recoveries from other jurisdictions in 1986/87 is due to a decrease in requests for services from other government departments as shown by the following:

	1986/87 ACTUAL	1986/87 ESTIMATES	OVER (UNDER) ESTIMATE
Gross Expenditures:			
Other Government Departments	1,285.1	3,665.0	(2,379.9)
Third Parties	2,525.5	1,935.0	590.5
Total:	3,810.6	5,600.0	(1,789.4)
Recoveries:			
Other Government Departments	1,285.1CR	3,665.0CR	(2,379.9)CR

3. Decreased expenditures in 1986/87 were due mainly to expenditures of $15.7 for highway maps as compared to the estimate of $75.3.

4. The Department maintains an inventory of frequently used equipment parts and bulk purchased maintenance and construction material. The value of material and parts purchased in a given fiscal year generally equals more or less the material and parts consumed. The estimated purchases were increased for 1986/87 due to projected additional air stores spare parts and additional items stored in the mechanical stores. Actual purchases were less than originally estimated, resulting in decreased expenditures.

5. The decrease in recoveries in 1986/87 for Warehouse Stores is due to purchases being less than originally estimated and several items being received for the 1987/88 program with the offsetting recoveries to be realized in 1987/88.

TABLE NO. A13

EXPLANATION NUMBER	EXPLANATION
6.	The decrease in expenditures and recoveries in Air/Radio Services is due primarily to reduced forest fire fighting activities in 1986/87.
7.	In 1985/86, communities experienced delays in delivery of Handi-Vans, resulting in fewer operating grants for the mobility disadvantaged being issued than originally estimated for 1986/87. As the number of communities taking advantage of the program increases from year to year, operational grants increase from year to year.
8.	Decreased expenditures due to communication program costs under the Churchill Agreement being less than originally estimated for 1986/87.
9.	Decreased expenditures due to operating costs for the Transportation Industry Development Advisory Committee, the transportation analysis program and the communication program under the Transportation Agreement being less than originally estimated for 1986/87.
10.	Decreased recoveries from the Jobs Fund due to reduced expenditures.
11.	Increased expenditures in 1986/87 for the Highway Traffic Board are due to increased number of hearings being conducted and several Regulations being revised and reprinted.
12.	Decreased expenditures for the Licence Suspension Appeal Board in 1986/87 are due to a decrease in the number of hearings being conducted.
13.	Decreased expenditures for Airport Improvements in 1986/87 are due primarily to the contractor's delay caused by weather conditions in completing the Tadoule Lake Airport.
14.	Decreased expenditures were incurred in the exploration and purchases of gravel pits in 1986/87.
15.	Decreased expenditures for Highways Buildings and Storage Yards are due to the construction of several storage sheds being deferred to 1987/88.

TABLE NO. A13

EXPLANATION NUMBER	EXPLANATION
16.	Decreased expenditures for capital grants for the Transportation of the Mobility Disadvantaged in rural Manitoba are due to only 6 of the 8 communities identified in the Estimates actually purchased Handi-Vans in 1986/87.
17.	Decreased expenditures for upgrading of Northern Manitoba Ferries are due to one ferry overhaul being deferred to 1987/88 and the costs of one maintenance overhaul being less than originally estimated.
18.	Deferral of purchasing replacement Highways equipment resulted in decreased expenditures of $922.0. For accounting purposes, a separate sub-appropriation 15-8E-1L was established. The depreciation credit of $922.0 from 15-8E-1C was transferred to 15-8E-11 for control purposes.
19.	A light bridge program in 1986/87 resulted in lower expenditures and issues for bridge materials.
20.	A boxcar rehabilitation program was delayed, resulting in actual costs of $2.5 million for 1986/87. Additional funds were allocated for the 1987/88 fiscal year to complete the rehabilitation program that was carried over from 1986/87.
21.	Originally, the Department of Highways and Transportation was to up-front the federal share of the Transportation Institute project costs. Subsequently, it was agreed that the Federal Government would make direct payments to the Universities Grant Commission for the federal share of the Transportation Institute project costs. As a result, expenditures were lower than originally estimated.

FINANCIAL REPORT
YEAR ENDED MARCH 31, 1987
REVENUE

The following pages provide a summary report on Highways and Transportation revenue in the fiscal year 1986/87, a comparison of actual revenues to the amount approved by the Legislature for each revenue source and an explanation of significant revenue to vote variances.

The 1986/87 revenue exceeded the amount budgeted for the year by $0.3 million. There were revenue increases of $1.2 million in automobile and motor carrier licences and fees, $0.7 million increase in municipalities shared cost receipts, $0.3 million increase in sundry operating and $0.6 million increase in revenue related to capital assets. These increases were partially offset by revenue decreases of $2.3 million in Government of Canada and $0.2 million decrease in drivers' licences and Licence Suspension Appeal Board. Significant revenue variances are explained at the conclusion of this report.

Revenue detail is provided for variance levels as follows:

Size of Revenue Account	Level of Significance
Up to $500,000.00	20%
$500,100.00 to $1,000,000.00	15%
$1,000,100.00 to $5,000,000.00	10%
$5,000,100.00 and over	5% or $2,000,000.00

TABLE NO. A14

REVENUE SUMMARY
BY SOURCE

SOURCE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
Current Operating Programs:				
Other Revenue:				
(a) Automobile and Motor Carrier Licences and Fees	31,475,074	30,320,600	1,154,474	
(b) Drivers' Licences	5,668,845	5,804,400	(135,555)	
(c) Licence Suspension Appeal Board	157,325	200,000	(42,675)	1
(d) Municipalities Shared Cost Receipts	1,529,420	835,000	694,420	2
(e) Sundry	2,001,367	1,706,400	294,967	3
TOTAL	40,832,031	38,866,400	1,965,631	
Government of Canada:				
(1) Refunds for Services	43,800	150,000	(106,200)	4
(2) Norway House Airport	179,500	150,000	29,500	
(3) Winter Roads	1,239,200	1,251,000	(11,800)	
(4) Transportation Agreement	75,000	270,000	(195,000)	5
TOTAL	1,537,500	1,821,000	(283,500)	

TABLE NO. A14

REVENUE SUMMARY
BY SOURCE

SOURCE	ACTUAL $	1986/87 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
Revenues Related to Capital:				
Other Revenue:				
(a) Municipalities Shared Cost Receipts	1,030,481	925,000	105,481	
(b) Sundry	1,200,000	700,000	500,000	6
TOTAL	2,230,481	1,625,000	605,481	
Government of Canada				
(1) Indian Reserve Roads	327,500	247,500	80,000	7
(2) Transportation Agreement	0	2,250,000	(2,250,000)	8
(3) Atomic Energy of Canada Ltd.	192,700	-	192,700	9
TOTAL	520,200	2,497,500	(1,977,300)	
TOTAL REVENUE	45,120,212	44,809,900	310,312	

TABLE NO. A14

REVENUE VARIANCE EXPLANATIONS
ACTUALS VS PRINTED ESTIMATES

EXPLANATION NUMBER	EXPLANATION
1.	In 1986/87, there was a decrease in the number of applications from suspended drivers to the Licence Suspension Appeal Board, resulting in lower revenue.
2.	Increased revenue in 1986/87 as a result of more work done for municipalities on a request basis.
3.	Increased sundry revenue in 1986/87 as a result of more work done for Other Jurisdictions.
4.	Requests for services from the Government of Canada were less than anticipated.
5.	Under the Transportation Agreement, the Department pays the federal share of the expenditures for the Transportation Industry Development Advisory Committee (T.I.D.A.C.) and recovers from Canada its share of these expenditures as revenue. In 1986/87, expenditures were lower than anticipated, resulting in decreased revenue.
6.	Expenditures incurred in 1985/86 for one Manitoba Hydro project delivered by the Department were received as revenue in 1986/87.
7.	Increased revenue in 1986/87 is the result of an agreement under Indian Reserve Roads for reconstruction of the Harwill Bridge at the Peguis Indian Reserve for $80.0. Details of this agreement were made known after the 1986/87 Revenue Estimates were finalized.
8.	Originally, the Department of Highways and Transportation was to up-front the federal share of the Transportation Institute project costs. These expenses of $2,250.00 were to be recovered as revenue from the Federal Government. Subsequently, it was agreed that the Federal Government would make direct payments to the Universities Grant Commission for the federal share of the Transportation Institute project costs. As a result, there were no expenditures and no off-setting revenue.
9.	An agreement to provide services was made with Atomic Energy of Canada Ltd. after the 1986/87 Revenue Estimates were finalized.

Table No. C1

HIGHWAY CONSTRUCTION SUMMARY
KILOMETRES OF WORK COMPLETED
VARIOUS APPROPRIATIONS

	Grading	Gravelling	Base Course	Bituminous Pavement	Asphalt Surface Treatment	Seal Coat	Calcium Chloride	Concrete Pavement
Provincial Trunk Highways (Table No. C2)	43.7	106.0	12.5	183.2	-	190.7	8.2	19.6
Provincial Roads (Table No. C3)	200.9	291.4	103.5	83.0	97.1	14.1	695.7	-
Provincial Highways 15-2A, Contingencies, Special Projects & Stop Gap (Table No. M1)	-	-	-	-	-	-	-	-
	244.6	397.4	116.0	266.2	97.1	123.8	703.9	19.6

HIGHWAY CONSTRUCTION
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-8A

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
1	8417	East of 1st Street - West of 18th Street R.M. of Elton, Cornwallis & City of Brandon 3.0 km	Preliminary Engineering	$ 2,208.17
	8420	West Jct. P.T.H. No. 1A - Kemnay - West Jct. P.T.H. No. 10 R.M. of Whitehead, Elton & Cornwallis 13.7 km	Right-of-Way	128,521.58
	8421	Oak Lake - Virden R.M. of Sifton, Woodworth & Wallace 21.0 km	Preliminary Engineering	32,445.74
	8429	Oak Lake By-Pass R.M. of Sifton 5.2 km	Bituminous Pavement	1,912,895.27
	8437	P.T.H. No. 100 - Headingley Weigh Scale City of Winnipeg	Seal Coat	97,081.66
	8438	P.R. No. 308 - South Boundary Whiteshell Provincial Park L.G.D. of Reynolds 17.0 km	Seal Coat (17.0 km)	148,665.99
	8441	East Jct. P.T.H. No. 10 - East Jct. P.R. No. 250 R.M. of Whitehead, Elton & Cornwallis 25.0 km	Seal Coat (25.0 km)	189,538.57
	8442	West Jct. P.T.H. No. 1A - West Jct. P.R. No. 250 R.M. of Whitehead	Seal Coat (12.0 km)	107,370.81
	8446	W.D.B. West Whiteshell Provincial Park 3.0 km	Seal Coat (3.0 km)	17,995.63
	8475	P.T.H. No. 100 - Plessis Road R.M. of Springfield 3.7 km	Right-of-Way	2,002.08

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
1	8491	East of Assiniboine River Valley - P.T.H. No. 1A R.M. of Whitehead 5.3 km	Grade (5.3 km)	$1,021,773.52
	8519	Oak Lake By-Pass R.M. of Sifton 5.2 km	Grade Gravel	14,650.41
	8543	East Jct. P.R. No. 250 West of Oak Lake R.M. of Whitehead & Sifton 31.5 km	Seal Coat	40,476.55
	8544	P.R. No. 230 West District Boundary R.M. of St. Andrews 11 km	Seal Coat (2.0 km)	17,800.07
	8545	P.T.H. No. 5 Westerly R.M. of North Cypress 9.0 km	Bituminous Pavement (9.0 km)	45,602.05
	8547	Eastbound Lanes E. Jct. P.T.H. No. 10 R.M. of Cornwallis & Elton 20.3 km	Seal Coat (20.3 km)	148,737.79
1A	8400	Saskatchewan Avenue Fifth Street East - Fourth Street West City of Portage la Prairie 1.1 km	Base Course Bimuninous Pavement	294,703.73
	8440	Rosser Avenue Eighteenth Street City of Brandon 2.4 km	Seal Coat (2.4 km)	41,793.74
	8469	Saskatchewan Avenue Eighth Street West - C.P.R. Crossing City of Portage la Prairie 1.5 km	Preliminary Engineering	6,010.53
	8494	First Street McTavish Avenue City of Brandon	Install Traffic Signals	56,720.17
2	8369	P.R. No. 244 - West Boundary R.M. of South Norfolk 17.4 km	Right-of-Way	17,197.48

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
3	8410	Whitewater Access - S. of Jct. P.T.H. No. 21 R.M. of Winchester 16.9 km	Preliminary Engineering	$ 19,818.46
	8451	W. Jct. P.R. No. 346 P.T.H. No. 10 R.M. of Morton & Turtle Mountain 13.0 km	Grade (13.0 km) Shoulder Widening	671,160.49
	8542	P.T.H. No. 14 - P.T.H. No. 23 R.M. of Stanley & Roland 20.0 km	Seal Coat	41,519.47
5	8354	W. of Grandview P.R. No. 584 R.M. of Grandview & Hillsburg 20.8 km	Right-of-Way	4,079.54
	8398	South of Riding Mountain East of Sec. 9-18-15W. R.M. of Rosedale	Bridge Detour	11,051.01
	8411	South Jct. P.T.H. No. 10 - South of South Jct. Dauphin By-Pass R.M. of Dauphin 3.4 km	Grade Bituminous Pavement	30,710.25
	8412	Dauphin By-Pass R.M. of Dauphin 7.3 km	Bituminous Pavement	9,125.29
	8414	West of Grandview - P.R. No. 584 R.M. of Grandview & Hillsburg 21.7 km	Grade Widening (21.7 km) Shoulder Gravel (21.7 km)	158,114.30
	8503	West of Grandview - Valley River Bridge R.M. of Grandview 9.5 km	Bituminous Pavement (9.5 km) Shoulder Gravel (9.5 km)	294,244.00
	8533	P.T.H. No. 1 S. of Carberry Industrial Park R.M. of North Cypress 6.9 km	Bituminous Pavement (6.9 km) Shoulder Gravel	574,294.28
	8546	North Jct. P.T.H. No. 10 Gilbert Plains R.M. of Gilbert Plains 12.4 km	Seal Coat (12.4 km)	77,163.74

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
5 & 10	8352	Dauphin By-Pass R.M. of Dauphin 6.0 km	Right-of-Way	$ 2,004.84
5 & 20A	8413	4th Avenue South - 5th Avenue North R.M. of Dauphin & Town of Dauphin 0.9 km	Base Course Bituminous Pavement	485,707.81
6	8364	South of Minago River Hargraves River Unorganized Territory 57.5 km	Drainage Improvements	12,324.00
	8365	North & South of Minago River Unorganized Territory 18.8 km	Grade Widening Shoulder Gravel	13,162.38
	8393	North of Williams River Minago River Unorganized Territory 18.8 km	Bituminous Pavement (18.8 km)	1,560,593.66
	8435	P.R. No. 513 - 32 km Northerly Unorganized Territory 32.0 km	Seal Coat	185,481.11
	8443	P.T.H. No. 67 - North District Boundary R.M. of Woodlands 32.0 km	Seal Coat	160,143.79
	8477	South of Devil's Lake North of Two Rivers Unorganized Territory 32.5 km	Grade Widening Shoulder Gravel	10,151.12
	8518	Grand Rapids - Northerly Unorganized Territory 24.8 km	Preliminary Engineering	53,751.18
6	8521	At P.R. No. 277 R.M. of Woodlands 1.0 km	Preliminary Engineering	6,818.10
	8540	Moosehorn - Grahamdale L.G.D. of Grahamdale 18.0 km	Seal Coat	30,322.74

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
6	8541	km 102.4 - km 123.2 North of P.R. No. 513 Unorganized Territory 20.8 km	Seal Coat	$ 33,402.00
7	8333	South of P.R. No. 324 - P.T.H. No. 68 R.M. of Bifrost & L.G.D. of Armstrong 12.7 km	Preliminary Engineering	7,237.17
	8334	P.R. No. 229 - North Jct. P.R. No. 231 L.G.D. of Armstrong 11.2 km	Right-of-Way	120,139.09
	8338	North Jct. P.R. No. 231 - South of P.R. No. 324 L.G.D. of Armstrong 13.7 km	Preliminary Engineering	1,841.81
	8374	P.T.H. No. 17 - P.R. No. 229 R.M. of Rockwood 14.2 km	Bituminous Pavement (14.2 km) Shoulder Gravel (14.2 km)	1,833,018.48
	8431	P.R. No. 517 - P.R. No. 228 R.M. of Rockwood 14.8 km	Right-of-Way	26,187.04
	8432	P.T.H. No. 17 - P.R. No. 229 R.M. of Rockwood 15.8 km	Grade Widening Shoulder Gravel	20,665.13
	8433	P.R. No. 228 - P.R. No. 229 R.M. of Rockwood 14.2 km	Right-of-Way	8,763.22
8	8335	P.R. No. 229 - P.R. No. 324 R.M. of Gimli 23.0 km	Preliminary Engineering	20,339.42
	8339	South Jct. P.R. No. 324 - P.R. No. 324 - P.T.H. No. 68 R.M. of Bifrost & Gimli 21.2 km	Preliminary Engineering	863.90
	8363	North P.R. No. 230 - North P.T.H. No. 67 R.M. of St. Andrews 6.6 km	Concrete Pavement	1,928,898.41

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
8	8375	North of P.T.H. No. 67 - P.R. No. 515 R.M. of St. Andrews 8.7 km	Right-of-Way	$ 12,254.95
	8376	P.R. No. 515 - P.R. No. 229 R.M. of St. Andrews 30.7 km	Right-of-Way	24,411.32
	8474	P.R. No. 229 - P.R. No. 324 R.M. of Gimli 23.0 km	Right-of-Way	5,807.23
	8524	East of North East 19-23-4E. R.M. of Bifrost	Reinforced Concrete Box Culvert	24,138.86
8 & 101	8458	P.T.H. No. 8 - P.T.H. No. 101 R.M. of West St. Paul	Manufacture and Install Guide Signs	13,836.29
	8512	P.T.H. No. 8 - P.T.H. No. 101 R.M. of West St. Paul	Overhead Guide Signs	43,562.64
9	8336	South Limit Winnipeg Beach - P.R. No. 231 R.M. of Gimli 16.1 km	Right-of-Way	3,876.00
	8337	South Limit Winnipeg Beach - P.R. No. 231 R.M. of Gimli 10.0 km	Preliminary Engineering	12,576.86
	8537	River Lots 65 & 66 Parish of St. Andrews R.M. of St. Andrews	Preliminary Engineering	2,311.74
10	8358	North Boundary Riding Mountain National Park - South Jct. P.T.H. No. 5 R.M. of Dauphin 6.6 km	Bituminous Pavement (6.6 km)	3,315.50
	8359	North Boundary Riding Mountain National Park - North R.M. of Dauphin 1.6 km	Right-of-Way	558.16

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
10	8388	Red Deer River - Overflowing River R.M. of Swan River & Unorganized Territory 35.9 km	Preliminary Engineering	$ 13,619.97
	8390	South of Mafeking - Red Deer River L.G.D. of Mountain & Unorganized Territory 27.8 km	Preliminary Engineering	2,805.22
	8392	Bell River - P.R. No. 277 L.G.D. of Mountain 17.7 km	Grade Widening	17,022.05
	8396	E. of East Bakers Narrows - E. of West Bakers Narrows Unorganized Territory 1.9 km	Rock Excavation Grade Causeway	49,424.55
	8404	Mistik Creek - East of East Bakers Narrows Unorganized Territory 8.2 km	Base Course Bituminous Pavement	43,575.27
	8415	Town of Boissevain R.M. of Morton 2.1 km	Base Course Bituminous Pavement	307,930.63
	8422	Pacific Avenue Loop City of Brandon 0.7 km	Right-of-Way	2,811.23
	8423	C.P.R. Overpass - Assiniboine River City of Brandon 0.8 km	Preliminary Engineering	334.08
	8424	18th Street - Victoria Avenue - Pacific Avenue City of Brandon 0.8 km	Grade Base Course Bituminous Pavement	152,511.77
	8434	Minnedosa By-Pass to P.R. No. 357 R.M. of Minto & Clanwilliam	Seal Coat	97,859.92
	8439	Atik to Cranberry Portage Unorganized Territory 34.4 km	Seal Coat (34.4 km)	209,589.65
	8448	North of Bell River L.G.D. of Mountain	Grade Drainage Improvements	15,178.78

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
10	8449	East of East Bakers Narrows - East of West Bakers Narrows Unorganized Territory 1.9 km	Bituminous Surfacing	$ 47,296.83
	8450	C.N.R. (Sheridon Sub.) - Mistik Creek Unorganized Territory 7.9 km	Rock Embankment	52,797.94
	8452	P.T.H. No. 10 at Portage Road U.V.D. of Cranberry Portage	Install Pedestrian Corridor	16,257.64
	8455	Flin Flon: North Avenue - North Drive	Right-of-Way	26,397.23
	8476	Mistik Creek - East Bakers Narrows Unorganized Territory 8.2 km	Rock Embankment	28,245.51
	8502	P.T.H. No. 10 & P.R. No. 459 City of Brandon 0.5 km	Bituminous Pavement(0.5 km) Shoulder Gravel (0.5 km)	59,275.00
	8510	P.T.H. No. 10 - P.T.H. No. 16 (Both Intersections) R.M. of Minnedosa	Illumination	7,965.00
	8514	The Pas - 8th Street - 11th Street Town of The Pas 0.5 km	Preliminary Engineering	1,233.22
	8515	Flin Flon - North Avenue - Northerly City of Flin Flon 0.3 km	Bituminous Pavement Shoulder Gravel	295,834.48
10 & 266	8444	P.T.H. No. 10 - P.R. No. 266 R.M. of Swan River 36.0 km	Seal Coat (36.0 km)	101,293.36
10A	8387	Swan River - 2nd Street - North Jct. P.T.H. No. 10 Town of Swan River & R.M. of Swan River 13.5 km	Preliminary Engineering	1,494.88

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
11	8377	McArthur Falls - Pine Falls L.G.D. of Alexander 29.3 km	Preliminary Engineering	$ 6,896.94
12	8346	Vicinity of Ste. Anne R.M. of Ste. Anne, Tache & The Village of Ste. Anne 7.1 km	Bituminous Pavement	6,369.47
	8428	P.T.H. No. 59 - P.T.H. No. 12 Vicinity of Grand Beach L.G.D. of Alexander R.M. of St. Clements	Manufacture and Install Guide Signs	19,240.12
	8445	East Jct. P.T.H. No. 44 - P.R. No. 317 R.M. of Brokenhead 23.2 km	Initial Seal Coat (23.2 km)	137,643.30
	8495	P.T.H. No. 12 at Townline Road Town of Steinbach	Install Traffic Signals	31,082.31
	8511	P.T.H. No. 12 - P.R. No. 207 Village of Ste. Anne	Illumination	52,558.60
14	8370	P.T.H. No. 30 - P.T.H. No. 75 R.M. of Rhineland & Montcalm 16.1 km	Preliminary Engineering	794.23
	8478	P.T.H. No. 75 - P.T.H. No. 30 R.M. of Rhineland & Montcalm 16.7 km	Right-of-Way	141,095.96
15	8480	Ste. Rita L.G.D. of Alexander	Relocation of Subdivision	10,659.46
16	8403	Northwest of Macdonald R.M. of Portage la Prairie & Westbourne 14.0 km	Bituminous Pavement	23,164.18
	8406	2.3 km West of Neepawa - 500 m West of P.R. No. 466 R.M. of Langford & Odanah 11.2 km	Grade Base Course	44,338.65

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
16	8407	Minnedosa - Franklin R.M. of Odanah 15.2 km	Preliminary Engineering	$ 41,101.35
16 & 5	8408	Neepawa Westerly R.M. of Langford & Odanah Town of Neepawa 15.3 km	Bituminous Pavement (15.3 km)	2,080,690.48
19	8492	P.T.H. No. 5 Riding Mountain National Park R.M. of McCreary 4.5 km	Calcium Chloride (4.5 km)	6,414.84
20	8360	P.T.H. No. 5 - Dauphin Beach R.M. of Ochre River 12.4 km	Right-of-Way	5,990.81
	8401	N.E. Corner 2-25-19W. - N.E. Corner 1-25-18W. R.M. of Dauphin 11.5 km	Bituminous Pavement (11.5 km)	1,265,442.62
23	8351	Rat River Bridge North of Sec. 34-4-4E. R.M. of De Salaberry	Construct and Remove Detour	6,787.44
	8362	Graham Creek North 6-5-4W. R.M. of Roland	Detour and Approaches	12,920.17
	8368	P.T.H. No. 18 - East R.M. of Strathcona 2.4 km	Preliminary Engineering	11,952.22
	8517	P.T.H. No. 18 - East R.M. of Strathcona 1.6 km	Grade (1.6 km)	302,430.61
	8534	Deerwood - P.R. No. 431 R.M. of Thompson & Lorne 14.7 km	Preliminary Engineering	23,374.43
	8550	P.T.H. No. 5 - P.T.H. No. 18 R.M. of Argyle & Strathcona	Seal Coat	156,194.28

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
26	8460	1.0 km East of P.T.H. No. 1A Easterly to P.R. No. 430 R.M. of Portage la Prairie 18.5 km	Preliminary Engineering	$ 5,290.25
41	8456	P.R. No. 545 - Assiniboine River Valley R.M. of Ellice 4.8 km	Right-of-Way	10,001.22
	8490	Assiniboine River - P.R. No. 545 R.M. of Ellice 3.7 km	Calcium Chloride (3.7 km)	6,426.85
	8549	Section 8-17-28W. R.M. of Ellice	Right-of-Way	61,993.24
42	8394	Birtle Main Street Town of Birtle 0.9 km	Base Course (0.9 km) Bituminous Pavement (0.9 km)	106,740.17
44	8380	P.T.H. No. 59 - West of Garson R.M. of St. Clements 9.0 km	Grade	1,159,256.50
	8381	East of P.T.H. No. 59 - West of Garson R.M. of St. Clements & Brokenhead 25.9 km	Right-of-Way	1,277,369.01
	8385	East of P.T.H. No. 59 - East of P.R. No. 601 R.M. of St. Clements & Brokenhead 25.9 km	Preliminary Engineering	25,845.16
	8506	P.T.H. No. 44 - P.T.H. No. 9 - P.R. No. 204 R.M. of St. Clements	Manufacture and Install Guide Signs	27,357.44

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
45	8482	Russell - Rossburn R.M. of Russell, Silver Creek & Rossburn 37.2 km	Bituminous Pavement (37.2 km) Shoulder Gravel (37.2 km)	$1,783,115.38
50	8402	North Limit 22-29-10W. - N.E. Corner 7-20-10W. L.G.D. of Alonsa 8.6 km	Bituminous Pavement (8.6 km)	704,346.54
	8470	P.T.H. No. 16 - Langruth R.M. of Westbourne & Lakeview 25.4 km	Right-of-Way Utilities	2,983.68
	8471	P.R. No. 265 (Northerly) - North Boundary of R.M. of Lakeview R.M. of Lakeview 13.6 km	Right-of-Way	2,083.26
	8473	P.T.H. No. 16 - Langruth R.M. of Lakeview & Westbourne 25.6 km	Grade Widening Shoulder Gravel	60,146.17
52	8486	West of P.T.H. No. 12 - Mitchell R.M. of Hanover & Town of Steinbach 6.4 km	Preliminary Engineering	28,412.39
	8493	McKenzie Avenue Intersection - West Limit Town of Steinbach Town of Steinbach 4.0 km	Preliminary Engineering	61,589.23
59	8366	South of P.R. No. 508 - Brokenhead I.R. R.M. of St. Clements 20.6 km	Bituminous Pavement	10,328.70
	8372	P.T.H. No. 101 & P.T.H. No. 59 City of Winnipeg	Manufacture & Install Guide Signs	3,864.63

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
59	8382	North of P.R. No. 500 - West Boundary Brokenhead I.R. R.M. of St. Clements & L.G.D. of Alexander 15.6 km	Preliminary Engineering	$ 9,548.19
	8465	P.T.H. No. 59 R.M. of St. Clements	Manufacture Guide Signs	9,268.92
	8487	North of P.R. No. 201 At Roseau River R.M. of Franklin 1.0 km	Bridge Approaches	7,400.26
	8548	Floodway Bridge South R.M. of Ritchot 3.0 km	Seal Coat (3.0 km)	27,821.54
59 & 101	8489	Beats 03 & 04 R.M. of East St. Paul, West St. Paul & St. Clements	Calcium Chloride	21,751.21
67	8383	P.T.H. No. 9 - P.R. No. 230 R.M. of St. Andrews 2.4 km	Preliminary Engineering	578.34
	8462	P.T.H. No. 7 - South Jct. P.R. No. 236 R.M. of Rockwood & Town of Stonewall 6.4 km	Preliminary Engineering	2,568.27
75	8345	P.R. No. 429 - South of Ste. Agathe R.M. of Ritchot 14.8 km	Grade Gravel	152,473.06
	8347	P.R. No. 305 - Morris R.M. of Morris & Ritchot 27.4 km	Preliminary Engineering	51,628.40
	8348	P.R. No. 429 - South of P.R. No. 305 R.M. of Ritchot 16.9 km	Right-of-Way	70,411.03
	8349	P.R. No. 429 Southerly R.M. of Ritchot 8.7 km	Concrete Pavement	10,909.83

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
75	8399	South Limit of Winnipeg - P.R. No. 429 8.1 km	Base Course Concrete Pavement	$ 62,787.11
	8436	City Limits - P.R. No. 210 R.M. of Ritchot	Seal Coat	60,034.30
	8457	South of Morris - P.T.H. No. 14 R.M. of Morris, Montcalm & Town of Morris 18.2 km	Bituminous Pavement (18.2 km)	1,729,452.65
	8479	South Boundary of City of Winnipeg - P.R. No. 429 R.M. of Ritchot 13.5 km	Right-of-Way	29,093.40
	8488	South of P.R. No. 210 - South of P.R. No. 305 R.M. of Ritchot 19.6 km	Concrete Pavement (19.6 km)	2,662,601.94
	8529	South of P.R. No. 305 - South of P.R. No. 205 R.M. of Ritchot & Morris 13.2 km	Right-of-Way	18,261.28
83	8395	South Boundary R.M. of Miniota - P.T.H. No. 24 R.M. of Miniota 9.3 km	Preliminary Engineering	50,621.17
	8416	North of U.S. Border - Jct. P.R. No. 251 R.M. of Arthur 11.4 km	Grade Shoulder Gravel	33,363.32
	8426	Scarth - Southerly R.M. of Pipestone 10.7 km	Bituminous Pavement	7,987.52
	8430	Saskatchewan Boundary - Vicinity of Durban R.M. of Swan River 11.6 km	Base Course (11.6 km) Bituminous Pavement (11.6 km) Gravel (11.6 km)	1,070,103.60
	8504	Assiniboine Valley Section 7-13-26W. R.M. of Miniota	Slide Repair	8,855.94

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
83	8522	P.T.H. No. 24 - P.R. No. 355 R.M. of Miniota 14.8 km	Preliminary Engineering	$ 5,690.41
100	8341	Interchange at Portage Avenue & Pembina Highway City of Winnipeg	Preliminary Engineering	98,964.71
	8342	Wilkes Avenue - Roblin Blvd. City of Winnipeg 3.2 km	Preliminary Engineering	15,460.20
	8343	Waverley Street - P.T.H. No. 2 R.M. of Macdonald City of Winnipeg 9.2 km	Bituminous Pavement (9.2 km) Shoulder Gravel (9.2 km)	1,258,228.07
	8344	P.T.H. No. 100 - Easterly R.M. of Springfield 1.6 km	Bituminous Pavement (1.6 km)	574,650.21
	8481	Portage Avenue Interchange City of Winnipeg	Grade	123,912.43
	8485	South of Wilkes Avenue - Roblin Blvd. City of Winnipeg 3.6 km	Bituminous Pavement Shoulder Gravel	1,151,751.89
	8530	P.T.H. No. 3 - P.T.H. No. 59 South City of Winnipeg R.M. of Macdonald 10.6 km	Preliminary Engineering	189,137.65
101	8340	West of P.T.H. No. 59 - West of P.T.H. No. 9 R.M. of East St. Paul & West St. Paul 4.1 km	Bituminous Pavement Shoulder Gravel	44,632.33
	8371	Interchanges P.T.H. No. 101 & P.T.H. No. 204; P.T.H. No. 101 & P.T.H. No. 9 R.M. of East St. Paul & West St. Paul	Manufacture & Install Guide Signs	17,559.93

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
101	8454	18th Street (P.T.H. No. 10) & Brandon Avenue City of Brandon	Installation of Traffic Signals	$ 15,634.65
	8507	P.T.H. No. 101 - P.T.H. No. 9 & P.R. No. 204 R.M. of East St. Paul & West St. Paul	Supply & Install Overhead Sign Lighting	12,105.20
	8531	P.T.H. No. 15 - P.T.H. No. 59 North R.M. of Springfield & East St. Paul 10.9 km	Preliminary Engineering	106,494.91
	8538	Interchange P.T.H. No. 101 & P.T.H. No. 7 R.M. of Rosser	Right-of-Way	1,476.48
700	8427	Brandon - East Access R.M. of Cornwallis City of Brandon	Preliminary Engineering	18,679.41

Yellowhead Route

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
1	9803	P.R. No. 240 Portage By-pass City of Portage la Prairie	Preliminary Engineering	20,516.62
16	9800	Vicinity of Binscarth R.M. of Russell 1.6 km	Preliminary Engineering	7,790.02
	9801	Vicinity of Strathclair R.M. of Strathclair 2.4 km	Preliminary Engineering	16,240.04
	9802	P.T.H. No. 10 - P.R. No. 250 R.M. of Minto, Saskatchewan & Harrison 24.6 km	Preliminary Engineering	46,020.93

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Yellowhead Route				
16 & 1W	9804	Yellowhead Route P.T.H. No. 16 at P.T.H. No. 1 R.M. of Portage la Prairie	Preliminary Engineering	$ 40,704.20
Miscellaneous				
	8300	Various Highways	Right-of-Way Expenses	11,721.81
	8301	District 1	Engineering Expenses	36,323.54
	8302	District 2	Engineering Expenses	21,637.26
	8303	District 3	Engineering Expenses	4,838.27
	8304	District 4	Engineering Expenses	20,415.45
	8305	District 5	Engineering Expenses	14,279.28
	8306	District 6	Engineering Expenses	23,145.16
	8307	District 7	Engineering Expenses	7,694.55
	8308	District 8	Engineering Expenses	18,704.31
	8309	District 9	Engineering Expenses	15,713.71
	8310	District 10	Engineering Expenses	17,647.95
	8311	District 11	Engineering Expenses	11,887.58
	8312	District 12	Engineering Expenses	26,150.62

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	8313	Materials Division	Engineering Expenses	$ 22,107.33
	8314	Land Surveys	Engineering Expenses	24,944.45
	8317	Various Highways	Expenses for Right-of-Way	642,451.25
	8318	Various Highways	Engineering Audit Survey	57,810.64
	8320	Various Highways	Advertising Highway Projects	53,349.49
	8321	District 1	Surplus Culverts	6,375.17
	8322	District 2	Surplus Culverts	1,458.58
	8323	District 3	Surplus Culverts	4,023.61
	8325	District 5	Surplus Culverts	(3,561.81)
	8326	District 6	Surplus Culverts	(27,354.16)
	8327	District 7	Surplus Culverts	(4,314.97)
	8328	District 8	Surplus Culverts	(423.87)
	8329	District 9	Surplus Culverts	(2,602.26)
	8330	District 10	Surplus Culverts	12,196.67
	8331	District 11	Surplus Culverts	16,724.07
	8367	New Red River Crossing R.M. of St. Andrews & St. Clements	Right-of-Way	291,715.19
	8373	Various	Hazard Removal	65,927.32
	8386	Vicinity of Selkirk R.M. of St. Andrews, St. Clements & West St. Paul	Corridor Study	67,696.55
	8397	Various	Install Warning	26,246.50

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	8405	Various	Signals Pedestrian Corridor	$ 24,381.82
	8409	Province of Manitoba	Training Expenses Construction	58,691.18
	8453	Various	Install Community Service Signs	53,248.82
	8459	Various	Flashers Rumble Strips Delineation	9,742.31
	8466	Various	Renumber Routes	7,218.15
	8467	Various	Manufacture & Install Shareable Cost Signs	3,842.02
	8483	Various	Install School Bus Stop Signs	10,436.57
	8484	Various	Install/Revise Automatic Railway Crossing Protection	28,187.36
	8496	Various	Install/Revise Automatic Railway Crossing Protection	5,021.57
	8497	Computer Services	Roadway Design	$ 53,161.40
	8498	Computer Services	Use of Computer Software for Computer Program	187,556.62
	8499	Computer Services	Bridge Design System	38,360.00
	8500	Computer Services	Construction Management System	16,194.78

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	8505	Section 16 & 21-8-7E. R.M. of Ste. Anne	Rehabilitate a Gravel Pit	$ 6,874.25
	8508	Various	Permanent Pavement Markings	14,895.18
	8509	Various	Illumination	56,164.00
	8513	Various Provincial Park	Manufacture & Install Guide Signs	6,855.42
	8520	Various	Surplus Gravel Stockpiles	(9,346.62)
	8525	Various	Hearing Conservation Program	5,537.41
	8532	Churchill	Shoulder Gravel	22,274.43
	Various Work Orders - Incidental Amounts			565.61
	Bridge Projects (for details see Table No. B1)			655,276.14
			*563.9	$36,782,224.05

* Nature of Work completed in km

Bituminous Pavement	183.2
Calcium Chloride	8.2
Base Course	12.5
Grading	43.7
Gravelling	106.0
Concrete Pavement	19.6
Asphalt Surface Treatment	.0
Seal Coat	190.7
	563.9

Table No. C3

HIGHWAY CONSTRUCTION
PROVINCIAL ROADS
APPROPRIATION 15-8A

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
200	7452	Roseau River Bridge - South Jct. P.R. No. 217 R.M of Franklin 11.7 km	Grade Gravel Calcium Chloride (11.7 km)	$167,452.13
200 & 217	7649	P.T.H. No. 23 - South Jct. P.R. No. 217 & P.R. No. 200 - Arnaud R.M. of De Salaberry & Franklin 25.3 km	Base Course (25.3 km) A.S.T. (25.3 km)	837,925.07
200 & 246	7440	P.R. No. 305 - P.R. No. 205 R.M. of Morris & Ritchot 13.2 km	Right-of-Way	1,204.32
201	7503	N.E. Corner Section 4 & 6-2-2W. R.M. of Rhineland	Detour & Approaches	5,971.44
	7515	P.T.H. No. 75 - West of P.R. No. 246 R.M. of Montcalm 7.9 km	Base Course A.S.T.	130,296.36
	7516	Gnadenthal - P.T.H. No. 32 R.M. of Stanley & Rhineland 9.8 km	Calcium Chloride (9.8 km)	190,765.75
	7517	P.R. No. 432 - P.T.H. No. 31 R.M. of Stanley & Pembina 16.1 km	Preliminary Engineering	4,821.11
	7731	P.T.H. No. 30 Easterly R.M. of Rhineland & Montcalm 9.8 km	Base Course (9.8 km) A.S.T. (9.8 km)	130,089.97
206	7454	East Jct. P.T.H. No. 1 - P.R. No. 207 R.M. of Tache 4.8 km	Grade Gravel	233,877.65
209	7457	Ridgeville - South Jct. P.R. No. 200 R.M. of Franklin 12.9 km	Right-of-Way	3,805.84

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
209	7775	P.R. No. 201 - Gardenton L.G.D. of Stuartburn 8.0 km	Calcium Chloride (8.0 km)	$ 12,634.71
210	7455	Woodridge - South Jct. P.T.H. No. 12 L.G.D. of Piney 14.0 km	Preliminary Engineering	16,182.99
211	7724	P.R. No. 211 - East of Winnipeg River L.G.D. of Pinawa	Slide Repair	10,672.95
212 & 213	7541	P.R. No. 206 - Cooks Creek R.M. of Springfield 8.2 km	Base Course	6,773.40
213	7542	P.R. No. 212 - P.T.H. No. 12 R.M. of Springfield 9.8 km	Grade Gravel	907.08
	7543	P.R. No. 212 - P.T.H. No. 12 R.M. of Springfield 9.8 km	Right-of-Way	173,681.89
215	7544	Town of Beausejour 1.6 km	Right-of-Way	495.28
	7883	Through Beausejour Town of Beausejour 2.6 km	Preliminary Engineering	4,700.00
216	7451	Through New Bothwell R.M. of Hanover 1.1 km	Excavate Granular Fill Base Course A.S.T.	23,014.75
217 & 218	7448	Arnaud - St. Malo R.M. of Franklin & De Salaberry 16.9 km	Preliminary Engineering	5,648.02
220	7567	P.T.H. No. 9 - P.T.H. No. 8 R.M. of West St. Paul 2.9 km	Grade Bituminous Pavement	1,757.43

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
221	7690	P.R. No. 412 - P.R. No. 248 R.M. of Rosser 10.3 km	Right-of-Way	$ 28,002.54
221 & 605	7438	Sturgeon Road R.M. of Rosser 1.2 km	Intersection & Alignment Improvements	368,458.34
222	7653	Arnes - Hnausa R.M. of Bifrost & Coldwell 11.3 km	Base Course (3.3 km) A.S.T. (3.3 km)	194,103.33
224	7417	P.R. No. 325 - Dallas Peguis Indian Reserve 24.5 km	Base Course A.S.T.	142,667.17
	7418	P.R. No. 325 - Vicinity of Dallas L.G.D. of Fisher & Unorganized Territory 23.8 km	Preliminary Engineering	1,696.37
226 & 233	7419	P.R. No. 329 - N.E. 9-24-1E. R.M. of Bifrost 14.6 km	Right-of-Way	3,137.76
	7436	P.R. No. 329 - N.E. 9-24-1E. R.M. of Bifrost 9.1 km	Preliminary Engineering	4,279.11
227	7538	P.T.H. No. 6 - P.R. No. 248 R.M. of Woodlands 12.6 km	Grade Gravel	75,068.80
	7793	P.R. No. 248 - P.R. No. 430 R.M. of Woodlands 19.3 km	Calcium Chloride (19.3 km)	36,222.77
227 & 248	7656	P.T.H. No. 6 - P.T.H. No. 26 R.M. of St. Francois Xavier, Rosser & Woodlands 24.5 km	Base Course A.S.T.	51,632.18
229	7545	P.T.H. No. 8 - P.T.H. No. 9 R.M. of St. Andrews & Town of Winnipeg Beach 3.2 km	Base Course Bituminous Pavement	28,118.06

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
229	7759	P.T.H. No. 6 - P.R. No. 518 R.M. of Coldwell (Passing Zones) 22.5 km	Calcium Chloride (22.5 km)	$ 13,222.34
231	7760	P.T.H. No. 7 - P.T.H. No. 17 L.G.D. of Armstrong 21.7 km	Calcium Chloride (21.7 km)	10,548.55
233	7420	N.E. Corner Section 7-24-2E. - P.R. No. 326 R.M. of Bifrost 6.6 km	Preliminary Engineering	8,028.44
	7421	Thru Hecla Provincial Park: East of Causeway - Gull Harbour Unorganized Territory 28.2 km	Preliminary Engineering	79,397.99
	7727	Thru Hecla Provincial Park: East of Causeway - N.E. Corner Section 21-24-6E. Unorganized Territory 10.9 km	Preliminary Engineering	709.00
	7745	Thru Hecla Provincial Park: East of Causeway - N.E. Corner Section 21-24-6E. Unorganized Territory 10.9 km	Grade Gravel	1,262,109.30
	7761	Park Gate - Gull Harbour Unorganized Territory & Hecla Provincial Park 22.5 km	Calcium Chloride (22.5 km)	44,957.40
233 & 326	7422	P.R. No. 329 Northerly R.M. of Bifrost 8.0 km	Preliminary Engineering	3,800.67
234	7852	P.R. No. 325 - Beaver Creek R.M. of Bifrost & Unorganized Territory 23.3 km	Grade Gravel	2,191.71

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
234	7423	Calders Dock - Island View Unorganized Territory 27.4 km	Preliminary Engineering	$ 6,285.64
	7424	South Jct. P.R. No. 233 - P.R. No. 325 R.M. of Bifrost 15.4 km	Grade Gravel	1,366,448.46
	7425	Beaver Creek - Calders Dock Unorganized Territory 25.8 km	Preliminary Engineering	945.96
	7758	P.R. No. 325 - Beaver Creek R.M. of Bifrost & Unorganized Territory 23.3 km	Calcium Chloride (23.3 km)	13,358.60
	7855	South Jct. P.R. No. 233 - P.R. No. 325 R.M. of Bifrost 18.0 km	Right-of-Way	32,964.21
235	7459	Lake Manitoba Narrows - P.R. No. 278 L.G.D. of Alonsa 21.0 km	Preliminary Engineering	427.02
236	7794	P.T.H. No. 67 - P.R. No. 517 R.M. of Rockwood 12.9 km	Calcium Chloride (12.9 km)	30,160.96
238	7689	South Jct. P.T.H. No. 9 - Stevens Avenue in Lockport R.M. of St. Andrews 10.0 km	Preliminary Engineering	47,735.44
	7782	South Jct. P.T.H. No. 9 - Stevens Avenue in Lockport R.M. of St. Andrews 10.0 km	Calcium Chloride (10.0 km)	37,622.34
240	7518	P.T.H. No. 2 - N.E. Corner Section 28-9-7W. R.M. of Grey 12.9 km	Right-of-Way	24,676.42

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
241	7595	1 km North of T.C.H. - East Boundary R.M. of Cartier 9.0 km	Preliminary Engineering	$ 35,605.75
	7682	1 km North of T.C.H. - East Boundary R.M. of Cartier 9.0 km	Right-of-Way	360.00
	7808	T.C.H. - P.R. No. 424 R.M. of Cartier 4.8 km	Calcium Chloride (4.8 km)	12,999.15
242	7520	East Jct. P.T.H. No. 2 - North of P.R. No. 244 R.M. of South Norfolk 10.9 km	Calcium Chloride Gravel	92,329.94
	7521	East Jct. P.T.H. No. 2 - North of P.R. No. 244 R.M. of South Norfolk 10.9 km	Grade Gravel	7,621.50
	7698	P.T.H. No. 16 - Northerly R.M. of Portage la Prairie 3.4 km	Right-of-Way	2,061.59
	7800	P.T.H. No. 16 Lynch's Point R.M. of Westbourne & Portage la Prairie 16.7 km	Calcium Chloride (16.7 km)	21,910.84
245	7522	West Jct. P.R. No. 242 - N.E. Cor. Sec. 31-6-10W. R.M. of Lorne & South Norfolk 8.4 km	Right-of-Way	6,886.97
	7716	P.R. No. 242 Westerly R.M. of Lorne 8.4 km	Grade (8.4 km) Gravel (8.4 km)	698,903.32
245	7717	Carman - Roseisle R.M. of Dufferin 24.9 km	Bituminous Pavement (24.9 km)	1,156,821.70
246	7449	P.R. No. 205 - P.T.H. No. 23 R.M. of Morris & Montcalm 13.0 km	Right-of-Way	126,111.39

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
246	7523	St. Joseph: P.R. No. 201 - North R.M. of Montcalm 0.6 km	Drainage Improvements Base Course A.S.T.	$ 16,386.00
247	7524	P.T.H. No. 75 - P.R. No. 330 at La Salle R.M. of Macdonald 10.0 km	Right-of-Way	5,288.95
	7525	West of La Salle - N.E. Cor. Sec. 30-8-2E. R.M. of Macdonald	Grade Gravel Bridge Approaches	34,224.14
248	7537	P.T.H. No. 26 - P.R. No. 227 R.M. of Woodlands & St. Francois Xavier 12.0 km	Grade Gravel	15,632.88
	7596	T.C.H. - P.T.H. No. 26 R.M. of Cartier & St. Francois Xavier 12.1 km	Preliminary Engineering	14,089.28
	7826	P.T.H. No. 26 - P.R. No. 227 R.M. of Woodlands & St. Francois Xavier 12.0 km	Base Course (12.0 km) Bituminous Pavement (12.0 km)	1,243,548.26
250	7616	P.T.H. No. 16 - P.T.H. No. 45 R.M. of Harrison 19.6 km	Right-of-Way	11,978.88
	7634	P.R. No. 349 - P.T.H. No. 1 R.M. of Whitehead 11.3 km	Grade Gravel (11.3 km)	83,193.89
	7654	P.R. No. 355 - P.T.H. No. 16 R.M. of Harrison & Saskatchewan	Seal Coat	61,038.95
	7821	P.T.H. No. 1 Northerly R.M. of Whitehead & Daly 9.2 km	Base Course A.S.T.	308,646.87
252	7514	P.R. No. 445 - West Jct. P.R. No. 345 R.M. of Edward & Arthur 15.1 km	Spot Grade Improvements	43,465.11

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
252	7636	P.R. No. 255 - P.T.H. No. 1 West R.M. of Pipestone & Wallace 22.2 km	Preliminary Engineering	$ 1,425.98
254	7502	P.T.H. No. 83 East R.M. of Russell, Silver Creek, Shellmouth & Boulton 10.6 km	Grade Gravel	186,232.67
	7637	P.T.H. No. 2 - Northerly R.M. of Sifton 16.9 km	Grade (5.6 km) Gravel (16.9 km)	85,005.36
	7638	P.T.H. No. 1 - North of Assiniboine River R.M. of Sifton & Woodworth 2.9 km	Right-of-Way	3,278.68
	7676	N.E. Cor. Sec. 26-21-25W. - P.R. No. 476 R.M. of Rossburn & Silver Creek 13.2 km	Preliminary Engineering	13,444.13
	7677	P.R. No. 476 - P.R. No. 478 R.M. of Boulton & Silver Creek 11.6 km	Right-of-Way	5,408.24
	7678	P.T.H. No. 83 - South Jct. P.R. No. 478 R.M. of Shellmouth, Boulton, Russell & Silver Creek 10.6 km	Right-of-Way	21,200.48
	7781	North 36-21-28W. R.M. of Shellmouth	Remove Detour Surfacing Bridge Deck	1,288.75
256	7640	P.R. No. 467 - P.T.H. No. 41 R.M. of Archie 21.2 km	Right-of-Way Fencing Utilities	478.80
	7713	East of Sec. 33-11-28W. Town of Elkhorn R.M. of Wallace	Construction of Detour	9,516.49

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
260	7700	Cor. Sec. 33-16-12W. South Jct. P.R. No. 261 R.M. of Westbourne & Glenella 18.0 km	Base Course A.S.T.	$ 4,206.32
	7714	S.E. Corner S.E. 1/4 28-16-12W. R.M. of Westbourne 1.6 km	Bridge Approach	2,888.38
260 & 261	7539	South Jct. P.R. No. 261 N.E. - East Boundary of R.M. of Glenella R.M. of Glenella 6.4 km	Grade Gravel	145,892.55
	7697	South Jct. P.R. No. 261 Northeast - East Boundary of R.M. of Glenella R.M. of Glenella 6.4 km	Right-of-Way	3,569.69
262	7621	P.T.H. No. 10 - P.T.H. No. 16 R.M. of Odanah 18.0 km	Right-of-Way	690.75
	7622	P.R. No. 265 - North to Municipal Boundary R.M. of Minto 3.2 km	Right-of-Way	3,605.50
265	7505	Over Snake Creek N.E. 23-16-15W. R.M. of Rosedale	Construct Bridge Approaches	2,278.93
	7624	P.T.H. No. 5 - East District Boundary R.M. of Rosedale 5.0 km	Right-of-Way	18,966.97
266	7576	North of Bowsman River - N.E. Cor. Sec. 18-38-26W. R.M. of Minitonas 3.4 km	Preliminary Engineering	4,151.77

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
266	7577	Birch River - 1.0 miles South L.G.D. of Mountain 1.6 km	Drainage Embankment	$ 46,270.29
	7660	North of Bowsman - N.E. Cor. S.E. 18-38-26W. R.M. of Minitonas 6.4 km	Preliminary Engineering	16,155.03
267	7460	P.T.H. No. 10 - North Jct. P.R. No. 274 R.M. of Gilbert Plains & Ethelbert 8.9 km	Right-of-Way	953.89
268	7578	P.T.H. No. 10 - P.R. No. 587 R.M. of Minitonas 14.6 km	A.S.T. Base Course	84,793.91
269	7461	N.E. Cor. Sec. 31-29-21W. - P.T.H. No. 10 (New Loc.) R.M. of Ethelbert 2.7 km	Right-of-Way	1,596.15
	7462	South Jct. P.R. No. 364 - North Jct. P.R. No. 364 R.M. of Mossey River 6.6 km	Grade Widening Shoulder Gravel Base Course A.S.T.	39,376.05
	7817	North Jct. P.R. No. 364 - P.R. No. 490 R.M. of Mossey River 14.6 km	Grade (14.6 km) Gravel (14.6 km)	396,825.52
270	7625	West of Onanole L.G.D. of Park 3.5 km	Grade Gravel	33,360.63
271	7662	P.T.H. No. 10 - P.R. No. 489 L.G.D. of Mountain 19.0 km	Preliminary Engineering	50,796.28
272	7657	P.T.H. No. 20 - North Unorganized Territory 10.0 km	Base Course (10.0 km) A.S.T. (10.0 km)	546,862.75

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
272	7786	Duck Bay - 10.0 km South Unorganized Territory 10.0 km	Calcium Chloride (10.0 km)	$ 13,042.42
	7790	P.T.H. No. 20 - 10.0 km North Unorganized Territory 10.0 km	Calcium Chloride (10.0 km)	11,134.80
273	7464	P.T.H. No. 10 - Ukraina R.M. of Ethelbert, Mossey River & Dauphin 7.6 km	Right-of-Way	844.93
274	7465	P.T.H. No. 10 (at Ethelbert) - N.E. Cor. of S.E. 1/4 Sec. 3-29-22W. R.M. of Ethelbert 10.8 km	Base Course A.S.T.	30,511.63
	7466	North Jct. P.R. No. 267 - South Jct. P.T.H. No. 10 R.M. of Ethelbert 19.5 km	Grade Gravel	9,781.09
	7806	Vicinity of Mink Creek R.M. of Ethelbert 12.2 km	Grade (12.2 km) Base Course (12.2 km) A.S.T. (12.2 km)	539,950.71
275	7579	P.T.H. No. 10A - East Jct. P.R. No. 588 R.M. of Swan River 13.2 km	Preliminary Engineering	5,587.82
276	7467	South Boundary Waterhen Indian Reserve - Skownan Unorganized Territory 8.4 km	Right-of-Way	73,931.99
	7706	P.T.H. No. 5 - P.R. No. 585 R.M. of Ste. Rose & Lawrence 17.5 km	Preliminary Engineering	99,951.14
	7720	Skownan - South Boundary Waterhen Indian Reserve No. 45 Unorganized Territory 8.7 km	Grade Gravel	300.24

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
276	7772	Waterhen Indian Reserve No. 45 Unorganized Territory 8.3 km	Calcium Chloride (8.3 km)	$ 3,731.80
	7812	Skownan - South Boundary Indian Reserve No. 45 Unorganized Territory 8.7 km	Grade (8.7 km) Gravel (8.7 km)	951,328.39
278	7468	P.T.H. No. 50 - N.E. Cor. Sec. 4-22-11W. L.G.D. of Alonsa 10.8 km	Base Course (10.8 km) Road Mix	22,901.35
279	7785	N.E. 9-38-28W. - Whitefish Lake R.M. of Swan River & Porcupine Forest Reserve	Calcium Chloride	3,327.78
279	7667	10 Miles West of Bowsman R.M. of Swan River 11.6 km	Preliminary Enginering Right-of-Way	23,226.82
280	7788	Split Lake - Long Spruce Unorganized Territory 135 km	Calcium Chloride (135 km)	68,969.90
282	7674	P.T.H. No. 10 - P.R. No. 283 L.G.D. of Consol 23.8 km	Grade Improvements Gravel	12,772.95
283	7673	P.R. No. 283 (Pasquia River Crossing) L.G.D. of Consol	Preliminary Engineering	11,254.39
	7797	P.R. No. 282 - Sasktchewan Boundary L.G.D. of Consol 18.2 km	Calcium Chloride (18.2 km)	33,679.60
285	7630	East Limit of Sec. 19-56-25W. to East of Sec. 20-56-25W. L.G.D. of Consol 3.4 km	Grade (3.4 km) Gravel (3.4 km) Calcium Chloride (3.4 km)	38,223.45

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
287	7702	The Pas Airport - Atikameg Clearwater Provincial Park 6.9 km	Drainage Improvements Sub-grade Reinforcement	$ 6,942.31
291	7704	P.T.H. No. 10 - Emery Drive Unorganized Territory City of Flin Flon 4.5 km	Preliminary Engineering	5,309.84
302	7546	P.T.H. No. 15 - North Boundary R.M. of Springfield R.M. of Springfield 9.7 km	Right-of-Way	23,872.38
	7886	La Broquerie - North Limit Sec. 18-7-8E. R.M. of Ste. Anne & La Broquerie 5.1 km	Right-of-Way	11,787.72
303	7743	West and East of P.T.H. No. 12 R.M. of Hanover 6.4 km	Grade Gravel (6.4 km)	462,945.07
	7778	P.T.H. No. 12 - 2 Miles East R.M. of Hanover 3.2 km	Calcium Chloride (3.2 km)	6,369.92
304	7507	P.T.H. No. 59 - Easterly L.G.D. of Alexander 10.2 km	Grade (10.2 km) Calcium Chloride (10.2 km)	620,111.05
	7513	Sandy River - Manigotagan River Unorganized Territory 16.3 km	Rock Base A.S.T. (16.3 km)	1,106,452.18
	7547	P.T.H. No. 12 - N.E. Cor. 16-17-9E. L.G.D. of Alexander 20.9 km	Right-of-Way	60,902.22
	7548	P.T.H. No. 12 - N.E. Cor. 16-17-9E. L.G.D. of Alexander 20.9 km	Preliminary Engineering	46,142.89

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
304	7818	N.E. Cor. 16-17-9E. P.T.H. No. 11 L.G.D. of Alexander 15.6 km	Preliminary Engineering	$ 18,949.70
305	7526	P.T.H. No. 2 - N.E. Cor. Sec. 14-9-8W. R.M. of South Norfolk 11.4 km	Grade Gravel	20,944.00
	7527	P.T.H. No. 75 - West R.M. of Ritchot & Macdonald 2.4 km	Right-of-Way	15,102.60
	7747	P.T.H. No. 2 - N.E. 14-9-8W. R.M. of South Norfolk 11.4 km	Gravel (11.4 km) Calcium Chloride (11.4 km)	191,952.33
	7809	C.N.R. Crossing - West of P.T.H. No. 75 R.M. of Ritchot & Macdonald 2.5 km	Grade (2.5 km) Gravel (2.5 km)	80,732.19
	7885	P.T.H. No. 59 - Rat River Bridge R.M. of Hanover & Ritchot 10.9 km	Grade Gravel	84,808.77
306 & 604	7549	P.R. No. 213 - Garson R.M. of Springfield, Brokenhead, St. Clements & Village of Garson 17.2 km	Grade (17.2 km) Gravel (17.2 km) Bituminous Surfacing (17.2 km)	181,990.88
307	7550	Park Gate - Rennie River Whiteshell Provincial Park 26.4 km	Preliminary Engineering	2,839.47
308	7776	Moose Lake Entrance - East Braintree L.G.D. of Reynolds & N.W. Angle Forest Reserve 65.4 km	Calcium Chloride (65.4 km)	35,956.23

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
311	7777	P.R. No. 206 - P.T.H. No. 59 R.M. of Hanover 11.4 km	Calcium Chloride (11.4 km)	$ 15,425.50
315	7710	West Bird River Crossing - Vicinity of P.R. No. 314 L.G.D. of Alexander & Unorganized Territory 18.5 km	Preliminary Engineering	55,746.86
317	7552	P.T.H. No. 12 - N.E. Cor. Sec. 9-15-9E. R.M. of Brokenhead & Lac du Bonnet 23.3 km	Preliminary Engineering	6,856.25
	7553	P.T.H. No. 59 - P.T.H. No. 12 R.M. of St. Clements & Brokenhead 15.4 km	Right-of-Way	1,334.41
317 & 304	7726	North of Section 8-15-9E. in Section 35-17-9E. R.M. of Lac du Bonnet & L.G.D. of Alexander	Drainage	8,211.35
318	7458	1.0 miles South of P.R. No. 311 - P.R. No. 303 R.M. of Hanover & De Salaberry 10.3 km	Right-of-Way	1,321.76
320	7844	North of Selkirk R.M. of St. Andrews 1.6 km	Preliminary Engineering	20,071.97
321	7665	P.T.H. No. 7 - P.R. No. 220 R.M. of Rockwood, Rosser & West St. Paul 6.6 km	Right-of-Way	5,763.46
	7798	P.T.H. No. 7 - P.R. No. 220 R.M. of Rockwood 6.4 km	Calcium Chloride (6.4 km)	10,557.66

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
322	7799	P.T.H. No. 6 - P.T.H. No. 67 R.M. of Rockwood 6.9 km	Calcium Chloride (6.9 km)	$ 15,955.16
325	7426	P.T.H. No. 17 - West L.G.D. of Fisher & Peguis Indian Reserve No. 1B 22.9 km	Preliminary Engineering	25,359.74
	7833	P.T.H. No. 6 - P.R. No. 235 R.M. of Siglunes 29.9 km	Grade Widening Gravel (29.9 km)	2,435.71
326	7752	P.R. No. 329 - N.E. 14-24-2E. R.M. of Bifrost 9.7 km	Calcium Chloride (9.7 km)	12,767.13
327	7732	Easterville Road Connection - Easterville Unorganized Territory 19.8 km	Preliminary Engineering	61,694.69
	7753	Easterville Access Unorganized Territory 19.8 km	Calcium Chloride (19.8 km)	31,266.37
328	7427	Vicinity of Waterhen Unorganized Territory 12.4 km	Grade Gravel	72,207.56
	7428	Waterhen River - P.T.H. No. 6 Unorganized Territory & L.G.D. of Grahamdale 62.9 km	Preliminary Engineering	12,290.95
	7754	P.T.H. No. 6 - Westerly (Passing Zone) L.G.D. of Grahamdale & Unorganized Territory 16.1 km	Calcium Chloride (16.1 km)	9,766.96
329	7429	P.R. No. 326 - P.T.H. No. 8 R.M. of Bifrost 13.2 km	Grade Gravel	22,761.00

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
329	7430	P.R. No. 326 - P.R. No. 226 R.M. of Bifrost 6.6 km	Right-of-Way	$ 19,793.64
	7431	P.R. No. 226 - P.T.H. No. 17 R.M. of Bifrost & L.G.D. of Fisher 21.6 km	Preliminary Engineering	10,138.85
330	7655	La Salle - Perimeter Highway R.M. of Macdonald 9.7 km	Seal Coat (9.7 km)	64,072.28
334	7860	North of North Boundary R.M. of Macdonald - P.T.H. No. 2 R.M. of Macdonald 5.3 km	Preliminary Enginering	38,484.55
	7862	P.T.H. No. 1W. - P.R. No. 241 City of Winnipeg 1.4 km	Preliminary Engineering	463.78
	7880	North Boundary R.M. of Macdonald - East Jct. P.R. No. 241 City of Winnipeg 6.1 km	Right-of-Way	15,750.00
338	7528	North of P.T.H. No. 3 - P.T.H. No. 23 R.M. of Stanley & Thompson 16.9 km	Preliminary Engineering	1,842.94
340	7641	P.T.H. No. 1 - P.R. No. 457 R.M. of Elton & Cornwallis 5.0 km	Right-of-Way	2,050.50
	7680	P.R. No. 253 - Northerly R.M. of Strathcona 7.2 km	Grade 2nd Lift Construction Gravel (7.2 km)	27,387.83
341	7764	P.T.H. No. 18 - P.R. No. 444 R.M. of Turtle Mountain & Morton 27.4 km	Spot Grade Improvements	54,252.26

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
344	7642	Wawanesa - North of P.R. No. 453 R.M. of Oakland & Cornwallis 29.3 km	Right-of-Way	$ 78,701.21
	7792	From 17th Street East - N.E. 4-10-18W. City of Brandon 6.4 km	Calcium Chloride (6.4 km)	6,611.19
	7816	Dunrea - North End of District 4 R.M. of Riverside 10.5 km	Spot Grade Improvements	132,548.33
	7819	17th Street East - 3.4 km South of Richmond Avenue R.M. of Cornwallis & City of Brandon 8.3 km	Base Course (8.3 km) Bituminous Pavement (8.3 km)	629,135.99
345	7830	Lauder - West R.M. of Cameron 10.6 km	Base Course (10.6 km) A.S.T. (10.6 km)	214,749.55
348	7859	P.T.H. No. 10 - P.R. No. 448 R.M. of Morton 19.8 km	Preliminary Engineering	6,849.78
349	7643	P.T.H. No. 10 - West R.M. of Cornwallis 1.6 km	Right-of-Way	1,475.21
	7837	P.T.H. No. 10 - 1.6 km West R.M. of Cornwallis 1.6 km	Grade (1.6 km) Gravel (1.6 km)	70,768.40
351 & 604	7839	Town of Carberry: P.T.H. No. 5 - West Town Limits R.M. of North Cypress 3.0 km	Grade (3.0 km) Bituminous Pavement (3.0 km) Base Course (3.0 km)	61,918.16
352	7645	East of S.E. 1/4 Sec. 24-12-13W. R.M. of North Cypress	Install & Remove Detour Sign & Place Rip-Rap	2,924.36

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
352	7664	Arden North - P.R. No. 575 R.M. of Lansdowne 19.3 km	Right-of-Way	$ 4,810.08
	7696	South of P.T.H. No. 16 - Arden R.M. of Lansdowne 8.0 km	Right-of-Way	11,168.56
354	7615	P.R. No. 355 - N.E. 35-15-22W. R.M. of Blanshard 10.0 km	Right-of-Way	63,087.82
	7748	Little Saskatchewan River Valley R.M. of Strathclair 4.2 km	Calcium Chloride (4.2 km)	6,908.43
	7787	P.T.H. No. 45 - South R.M. of Strathclair 4.8 km	Right-of-Way	36,280.49
	7836	P.T.H. No. 45 - Southerly R.M. of Strathclair 4.8 km	Grade (4.8 km) Gravel (4.8 km)	281,253.59
	7864	South of Little Saskatchewan River R.M. of Strathclair 3.7 km	Preliminary Engineering	24,494.60
354 & 607	7658	U.V.D. Elphinstone R.M. of Strathclair 2.7 km	Preliminary Engineering	313.76
355	7602	P.T.H. No. 21 - P.R. No. 470 R.M. of Hamiota 5.0 km	Preliminary Engineering	8,237.76
357	7631	P.T.H. No. 10 - P.R. No. 466 R.M. of Rosedale & Clanwilliam 20.6 km	Base Course A.S.T.	9,238.06
359	7599	West of Vista - Birdtail Valley R.M. of Rossburn 2.5 km	Right-of-Way	10,526.33

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
359	7617	P.R. No. 270 - P.R. No. 250 L.G.D. of Park 9.0 km	Preliminary Engineering	$ 3,672.59
	7627	Vicinity of Wasmin Creek Section 32-19-19W. L.G.D. of Park 2.4 km	Right-of-Way	5,246.01
	7628	P.R. No. 354 - N.E. Section 8-19-22W. L.G.D. of Park & Unorganized Territory 16.4 km	Right-of-Way	570.97
	7675	Vista - West R.M. of Rossburn 0.5 km	Right-of-Way	1,343.41
	7867	P.R. No. 354 - P.R. No. 250 L.G.D. of Park 15.1 km	Preliminary Engineering	40,537.47
360	7469	P.R. No. 235 - N.E. Corner of N.W. 1/4 Sec. 32-22-14W. R.M. of Ste. Rose 11.43 km	Right-of-Way	1,382.91
	7470	P.R. No. 480 - P.T.H. No. 50 R.M. of Ste. Rose & McCreary 16.4 km	Preliminary Engineering	8,640.11
362	7471	North of N.E. Corner Section 33-25-19W. - E.N.E. Cor. Sec. 4-26-19W. R.M. of Dauphin 2.6 km	Drainage Improvements	10,627.83
	7472	P.R. No. 267 - P.R. No. 273 R.M. of Dauphin 9.7 km	Right-of-Way	764.11
	7707	P.T.H. No. 5A - P.R. No. 491 R.M. of Dauphin 16.9 km	Preliminary Engineering	47,144.49
363	7807	West of P.R. No. 484: North of Secs. 4 & 5-28-29W. R.M. of Shell River 1.6 km	Right-of-Way	29,442.01

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
364	7473	South Jct. P.R. No. 269 - P.R. No. 481 R.M. of Mossey River & Lawrence 17.0 km	Right-of-Way	$ 13,567.01
	7474	South of Winnipegosis - North Jct. P.R. No. 269 R.M. of Mossey River 8.6 km	Grade Gravel	191,192.47
	7476	P.R. No. 364 - P.T.H. No. 20 R.M. of Mossey River 1.2 km	Detour & Approaches	2,674.65
	7815	Old Mossy River Bridge - South R.M. of Mossey River 1.4 km	Subgrade Repair Bituminous Surfacing (1.4 km)	41,552.86
	7840	North of Sec. 36-28-17W. R.M. of Lawrence & Mossey River	Drainage Improvements	3,713.32
365	7581	P.T.H. No. 10 - Bell River Porcupine Forest Reserve 4.3 km	Preliminary Engineering	6,659.11
	7784	P.T.H. No. 10 - Steeprock Lake Porcupine Forest Reserve	Calcium Chloride	6,690.19
366	7477	P.R. No. 584 - East R.M. of Grandview & Boulton 20.2 km	Right-of-Way	4,741.86
	7582	Vicinity of Wellman Lake Duck Mountain Provincial Park 6.3 km	Preliminary Engineering Utilities	1,163.81
	7583	Woody River - P.R. No. 268 L.G.D. of Mountain 4.2 km	Right-of-Way	17,872.40
	7767	P.R. No. 267 - North District Boundary R.M. of Grandview & Duck Mountain Forest Reserve 13.2 km	Calcium Chloride (13.2 km)	32,173.70

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
366	7768	P.T.H. No. 5, North Limit of N.E. 12-24-24W. R.M. of Grandview 11.5 km	Calcium Chloride (11.5 km)	$ 15,714.18
	7828	Valley River Bridge - N.E. Cor. Sec. 12-26-24W. R.M. of Grandview 6.2 km	Base Course (6.2 km) Bituminous Pavement (6.2 km)	511,778.24
366 & 367	7783	Duck Mountain Forest Reserve	Calcium Chloride	134,355.52
367	7585	Boggy Creek - P.R. No. 594 L.G.D. of Park 1.8 km	Preliminary Engineering	4,511.31
	7774	West of P.T.H. No. 10 - West District Boundary R.M. of Ethelbert & Duck Mountain Forest Reserve 10.0 km	Calcium Chloride (10.0 km)	16,165.38
373	7510	Sea River Falls - Norway House Unorganized Territory 35.2 km	Preliminary Engineering	701.76
	7574	Muhigan River Southerly Unorganized Territory	Drainage	(70,970.88)
	7719	East of Jenpeg Unorganized Territory 3.6 km	Preliminary Engineering	9,063.52
	7825	P.R. No. 391 Sipiwesk Lake Access Road Unorganized Territory 24.8 km	Gravel (24.8 km)	25,841.66
391	7506	Vicinity of Reed Lake Grass River Provincial Park 15.2 km	Rock Grade Widening	193,664.61
	7508	Suwannee River Northerly, South of Leaf Rapids Unorganized Territory & Town of Leaf Rapids 32.5 km	Grade (32.5 km) Gravel (32.5 km)	1,060,320.51

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
391	7512	P.R. No. 610 Thompson Airport - East of Sapochi River L.G.D. of Mystery Lake & Unorganized Territory 44.5 km	Preliminary Engineering	$ 12,178.91
	7605	P.T.H. No. 6 - P.R. No. 610 Wabowden Access Unorganized Territory 46.6 km	Preliminary Engineering	4,294.68
	7607	Wabowden Access - North Unorganized Territory L.G.D. of Mystery Lake 22.0 km	Bituminous Overlay Shoulder Gravel	264,616.66
	7614	Thompson Airport Access - Northwesterly L.G.D. of Mystery Lake 11.6 km	Grade (11.6 km) Gravel (11.6 km)	1,234,998.21
	7701	Turnbull Lake Access - Watsko Lake Town of Leaf Rapids & Unorganized Territory 36.3 km	Bituminous Levelling Slope Restoration	51,855.47
	7705	Pipe Lake Mine Road - Thompson Airport L.G.D. of Mystery Lake 36.7 km	Bituminous Levelling Shoulder Gravel	174,659.93
	7721	Sapochi River Westerly Unorganized Territory 32.0 km	Preliminary Engineering	54,357.53
	7734	Watsko Lake - Vicinity of Hughes Lake Unorganized Territory 34.1 km	Bituminous Levelling Shoulder Stabilization	158,400.00
	7735	Vicinity of Hughes Lake - Lynn Lake L.G.D. of Lynn Lake & Unorganized Territory 34.4 km	Bituminous Levelling Slope Restoration	108,636.12
	7736	South Soab Mine Access - Pipe Lake Mine Access Unorganized Territory 35.9 km	Grade Base Course Bituminous Levelling	148,687.34

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
391	7737	Manibridge Mine Access - P.R. No. 632, Wabowden Access Unorganized Territory 24.8 km	Grade Base Course Bituminous Levelling	$ 50,003.73
	7738	Mitishto River - Manibridge Mine Access Unorganized Territory 29.9 km	Grade Base Course Bituminous Levelling	91,151.42
	7739	km 55.5 - km 101.5 P.R. No. 392 Snow Lake Unorganized Territory 46.0 km	Bituminous Levelling Shoulder Stabilization Drainage	61,173.01
	7740	P.R. No. 392 at Snow Lake - Wekusko Jct. Unorganized Territory 21.7 km	Grade Base Course Bituminous Levelling	63,794.68
	7741	P.R. No. 392 at Wekusko Jct. - Mitishto River Unorganized Territory 33.2 km	Grade Base Course Drainage Bituminous Levelling	297,829.63
	7846	P.R. No. 392 Wekusko Jct. - P.T.H. No. 6 Unorganized Territory 36.4 km	Preliminary Engineering	89,634.27
392	7810	P.R. No. 391 - Snow Lake L.G.D. of Snow Lake 30.0 km	Bituminous Levelling	77,388.60
394	7765	Co-op Point - Easterly Unorganized Territory 21.7 km	Spot Grade Drainage Improvements	13,586.69
395	7672	P.R. No. 392 - Chisel Lake Mine L.G.D. of Snow Lake 11.3 km	Grade (11.3 km) Gravel (11.3 km) Calcium Chloride (11.3 km)	98,435.14
403	7742	P.T.H. No. 59 - P.R. No. 216 R.M. of De Salaberry 6.4 km	Right-of-Way	2,148.68

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
404 & 203	7749	P.R. No. 203 - Thru Woodridge & P.R. No. 404 Thru Sandilands L.G.D. of Piney 1.8 km	Base Course (1.8 km) A.S.T. (1.8 km)	$111,043.44
405	7447	East of P.T.H. No. 59 - P.R. No. 206 R.M. of Tache & Ritchot 13.6 km	Preliminary Engineering	33,281.75
406	7554	P.T.H. No. 15 - P.T.H. No. 44 R.M. of Whitemouth 12.9 km	Right-of-Way	51,608.33
410	7556	P.T.H. No. 8 - P.R. No. 230 R.M. of St. Andrews 3.4 km	Right-of-Way	5,006.35
413	7558	P.T.H. No. 8 - P.T.H. No. 9 R.M. of St. Andrews 4.8 km	Grade Gravel	136,624.96
	7559	P.T.H. No. 9 - West Boundary of St. Andrews R.M. of St. Andrews 8.5 km	Right-of-Way	488.76
415	7684	P.T.H. No. 7 - P.R. No. 322 R.M. of Rockwood & Woodlands 17.2 km	Right-of-Way	136,510.36
	7755	P.T.H. No. 6 - P.R. No. 518 R.M. of St. Laurent 12.9 km	Calcium Chloride (12.9 km)	9,690.73
	7829	North Jct. P.R. No. 518 - P.R. No. 416 R.M. of St. Laurent & Woodlands, L.G.D. of Armstrong 8.4 km	Preliminary Engineering	23,904.78
417	7756	P.T.H. No. 6 West R.M. of Ericksdale 21.4 km	Calcium Chloride (21.4 km)	12,773.86

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
419	7723	P.T.H. No. 6 - Sandy Point R.M. of Coldwell 18.0 km	Grade Gravel	$ 24,655.50
	7757	Lundar - Lundar Beach R.M. of Coldwell 16.4 km	Calcium Chloride (16.4 km)	12,317.47
421	7530	P.T.H. No. 75 - P.R. No. 522 R.M. of Rhineland & Montcalm 6.4 km	Gravel Calcium Chloride	55,874.57
422	7531	P.T.H. No. 23 - P.R. No. 205 R.M. of Glenella 10.1 km	Right-of-Way	30,025.09
	7679	Howatt Drain - Loewen Drain R.M. of Morris	Detour & Approaches	78,726.42
	7835	N.E. 12-5-1W. - N.E. 24-5-1W. R.M. of Morris	Detours & New Drains	40,747.73
424	7688	P.T.H. No. 2 - P.R. No. 241 R.M. of Cartier & Macdonald 9.0 km	Right-of-Way	18,850.89
430	7795	P.R. No. 227 North Jct. St. Ambroise Beach R.M. of Portage la Prairie 17.5 km	Calcium Chloride (17.5 km)	46,618.67
	7796	P.T.H. No. 1 - P.T.H. No. 26 R.M. of Portage la Prairie 9.2 km	Calcium Chloride (9.2 km)	23,612.35
435	7561	P.T.H. No. 12 - P.R. No. 316 (New Loc.) R.M. of Brokenhead 8.6 km	Grade Gravel	8,154.77
	7562	P.R. No. 214 - P.T.H. No. 11 (Extension) R.M. of Lac du Bonnet 21.1 km	Preliminary Engineering	19,004.11

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
435	7563	P.T.H. No. 59 - P.T.H. No. 12 R.M. of St. Clements & Brokenhead 18.2 km	Right-of-Way	$ 3,653.30
	7802	P.R. No. 316 - P.T.H. No. 12 R.M. of Macdonald 8.4 km	Abandonment Grants	18,000.00
	7820	Beausejour - Hazelridge Area R.M. of Brokenhead 10.9 km	Gravel (10.9 km)	63,116.17
440	7571	P.T.H. No. 23 - Pembina River Valley R.M. of Argyle 8.4 km	Right-of-Way	4,371.74
455	7691	P.T.H. No. 21 - P.R. No. 250 R.M. of Whitehead 9.8 km	Grade (9.8 km) Gravel (9.8 km)	121,842.51
459	7644	P.T.H. No. 10 - P.T.H. No. 1 R.M. of Cornwallis, Whitehead & City of Brandon 9.6 km	Preliminary Engineering	30,909.01
	7692	Curran Park - P.T.H. No. 1 R.M. of Cornwallis & Whitehead 7.5 km	Base Course (7.5 km) A.S.T. (7.5 km)	69,779.55
460	7695	Gladstone - P.R. No. 265 R.M. of Westbourne 16.1 km	Right-of-Way	12,234.50
462	7573	Jct. of P.R. No. 261 & P.R. No. 462 R.M. of Glenella	Bridge Detour	8,323.55
	7694	P.R. No. 261 - North Boundary R.M. of Glenella	Right-of-Way	1,952.40

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
466	7730	Franklin - South R.M. of Langford & Rosedale U.V.D. of Franklin 2.8 km	Bituminous Pavement (2.8 km)	$375,060.97
468	7648	P.R. No. 457 - P.R. No. 561 R.M. of Elton & Cornwallis 14.4 km	Right-of-Way	10,406.72
471	7629	P.T.H. No. 5 West - N.E. 32-15-16W. R.M. of Rosedale 14.7 km	Right-of-Way	5,400.68
	7681	N.E. Cor. Sec. 34-15-16W. - P.T.H. No. 5 R.M. of Rosedale 7.2 km	Preliminary Engineering	33,035.85
	7845	N.E. Cor. 34-15-16W. R.M. of Rosedale	Installing Culverts	14,398.91
478	7597	P.T.H. No. 16 - East R.M. of Russell & Silver Creek 6.4 km	Preliminary Engineering	7,293.82
480	7481	Laurier - South of Henderson Creek R.M. of Ste. Rose & Ochre River 8.4 km	Right-of-Way	13,319.15
	7482	Makinak - North Jct. P.T.H. No. 5 R.M. of Ochre River 7.1 km	Right-of-Way	5,567.58
	7483	North Jct. P.T.H. No. 5 - Turtle River R.M. of Ochre River 7.0 km	Right-of-Way	41,834.72
	7769	Makinak - 100 m South of North Limit of twp. 22 R.M. of Ochre River 4.1 km	Calcium Chloride (4.1 km)	4,363.67

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
480	7773	P.T.H. No. 5 - P.R. No. 360 R.M. of Ste. Rose 8.0 km	Calcium Chloride (8.0 km)	$ 10,347.47
481	7484	North of Sec. 31-29-14W. - Crane River Ste. Rose Unorganized 12.7 km	Right-of-Way	15,031.23
	7485	Toutes Aides - Crane River R.M. of Lawrence & Ste. Rose Unorganized 24.1 km	Preliminary Engineering Right-of-Way	63,645.68
	7746	Toutes Aides - Easterly R.M. of Lawrence & Ste. Rose Unorganized 10.0 km	Grade (10.0 km) Gravel (10.0 km)	586,768.02
482	7718	N.W. 1/4 Sec. 18 & S.W. 1/4 Sec. 19-25-29W. R.M. of Shell River 0.4 km	Berm Construction Bituminous Repairs	240,673.18
484	7486	East of N.E. 1/4 Sec. 1-28-29W. R.M. of Shell River 0.3 km	Right-of-Way	3,440.58
	7838	North of P.R. No. 363: East of N.E. 1/4 Sec. 21-28-29W. R.M. of Shell River 0.3 km	Grade Gravel Bridge Approaches	25,946.70
485	7668	P.R. No. 486 - P.R. No. 488 R.M. of Swan River & Minitonas 5.7 km	Right-of-Way	3,592.92
486	7587	P.R. No. 586 - East R.M. of Swan River 7.3 km	Preliminary Engineering	12,253.73

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
486	7670	South of Kenville - East of Sec. 23, 26, 35-34-28W. R.M. of Swan River 4.2 km	Preliminary Engineering	$ 12,336.71
489	7487	Garland - East of Garland R. R.M. of Ethelbert 8.1 km	2nd Lift Construction Gravel	7,049.83
491	7488	P.R. No. 362 - Trembowla Historical Site R.M. of Dauphin 0.8 km	Structure & Approaches	17,266.57
	7489	P.R. No. 362 - Trembowla Historical Site R.M. of Dauphin 8.1 km	Right-of-Way	36,206.33
501	7450	P.T.H. No. 1 - P.T.H. No. 12 R.M. of Tache 9.9 km	Base Course A.S.T.	56,302.09
	7453	P.R. No. 616: Ste. Genevieve Access - Ross R.M. of Tache 7.9 km	Base Course A.S.T.	49,546.32
507	7750	At Whitemouth River L.G.D. of Reynolds	Right-of-Way	11,791.25
513	7432	Anama Bay - North of Section 23-34-7W. Unorganized Territory 30.5 km	Preliminary Engineering	9,551.85
	7712	Anama Bay - North Section 24-34-7W. Unorganized Territory 30.5 km	Right-of-Way	360.00
	7733	North of Sec. 24-34-7W. - East of Sec. 28-32-7W. L.G.D. of Grahamdale & Unorganized Territory 20.0 km	Preliminary Engineering	31,738.16

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
513	7824	Anama Bay - East of Section 2-35-6W. Unorganized Territory 10.8 km	Grade (10.8 km) Gravel (10.8 km)	$1,156,030.76
514	7433	P.R. No. 235 - North to N.W. 29-23-7W. R.M. of Siglunes 13.7 km	Preliminary Engineering	942.19
517	7685	P.R. No. 236 - P.T.H. No. 7 R.M. of Rockwood 4.8 km	Right-of-Way	42,013.41
	7823	Balmoral - P.T.H. No. 7 R.M. of Rockwood 4.8 km	Grade (4.8 km) Gravel (4.8 km)	321,027.72
518	7832	P.R. No. 415 North Jct. - P.R. No. 229 R.M. of Coldwell & St. Laurent 15.0 km	Preliminary Engineering	33,533.57
519	7853	P.T.H. No. 8 - P.T.H. No. 9 R.M. of Gimli 2.4 km	Right-of-Way	445.44
547	7490	P.R. No. 482 - Saskatchewan Boundary R.M. of Shellmouth 2.9 km	Grade Gravel	13,239.72
	7827	P.R. No. 482 - Saskatchewan Boundary R.M. of Shellmouth 3.3 km	Base Course (3.3 km) Bituminous Pavement (3.3 km)	161,302.42
568	7600	P.T.H. No. 83 - Birdtail Creek R.M. of Birtle 6.0 km	Right-of-Way	12,117.50

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
575	7604	P.R. No. 260 - Tenby R.M. of Westbourne, Glenella & Lansdowne 4.8 km	Right-of-Way	$ 4,326.56
	7612	P.R. No. 260 - Tenby Access Road R.M. of Lansdowne, Glenella & Westbourne 4.8 km	Grade (4.8 km) Gravel (4.8 km)	313,503.36
582	7770	P.T.H. No. 5 - North Limit 9-23-17W. R.M. of Ochre River 8.5 km	Calcium Chloride (8.5 km)	11,991.06
586	7591	P.R. No. 486 - South R.M. of Swan River 5.7 km	Preliminary Engineering	6,980.91
588	7572	P.T.H. No. 83 - 2.3 miles North R.M. of Swan River 3.2 km	Grade Gravel	36,163.48
	7592	North of P.T.H. No. 83 - South of P.R. No. 487 R.M. of Swan River 4.2 km	Right-of-Way	3,682.45
	7593	North of P.T.H. No. 83 - South of P.R. No. 487 R.M. of Swan River 4.6 km	Preliminary Engineering	6,999.35
	7671	Woody River - North R.M. of Swan River 5.2 km	Preliminary Engineering	14,652.41
602	7669	Benito Access: P.T.H. No. 83 South Jct. - P.T.H. No. 83 North Jct. R.M. of Swan River 1.1 km	Granular Base Course Shoulders Bituminous Pavement	47,279.66

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
603	7570	Morden Access: Along Stephen & First Street R.M. of Stanley 1.7 km	Excavate Base Course (1.7 km) Bituminous Pavement (1.7 km)	$ 16,715.59
606 & 213	7633	Vicinity of Hazelridge R.M. of Springfield	Stockpiling Aggregate	138,590.24
607	7445	Lorette Access: Seine River Bridge - P.R. No. 405 R.M. of Tache 0.3 km	Right-of-Way	2,962.46
	7763	Komarno Access R.M. of Rockwood & Village of Komarno 1.8 km	Bituminous Pavement (1.8 km)	192,183.03
	7804	Lorette Access: P.R. No. 405 - Seine River Bridge R.M. of Tache 0.3 km	Grade (0.3 km) Base Course (0.3 km) A.S.T. (0.3 km)	59,173.82
608	7494	Kinosota Access Road L.G.D. of Alonsa 4.4 km	Base Course (4.4 km) Seal Coat (4.4 km)	8,463.83
	7814	Molson Access Road L.G.D. of Reynolds 4.0 km	Preliminary Engineering	9,067.36
610	7831	Harrowby Access R.M. of Russell 0.81 km	Abandonment Grant	1,500.00
612	7884	Rockwood Propellant Plant Access Road R.M. of Rockwood	Stockpile Seal Coat Chips	7,847.70
616	7801	Timberton Access: East of N.E. 25 & S.E. 36-25-26W. R.M. of Hillsburg	Culvert Installation	9,891.16
618	7722	Oak Lake Access R.M. of Sifton 0.75 km	Bituminous Pavement	147,792.88

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
619	7766	Shellmouth Access R.M. of Shellmouth 4.3 km	Calcium Chloride (4.3 km)	$ 5,391.38
620	7434	St. Laurent Access: South Boundary Settlement Lot 18 R.M. of St. Laurent 4.2 km	Preliminary Engineering	2,685.78
626	7805	8th Avenue - West Government Road Town of Virden & R.M. of Wallace 0.4 km	Bituminous Pavement (0.4 km)	14,139.62
629	7598	Angusville Access R.M. of Silver Creek 1.2 km	Grade (1.2 km) Gravel (1.2 km)	2,804.10
	7601	Angusville Access R.M. of Silver Creek 1.2 km	Excavate Backfill Base Course A.S.T.	69,290.08
	7603	Angusville Access R.M. of Silver Creek 1.2 km	Right-of-Way	23,432.62
Selo Ukrainia Access Road	7497	P.T.H. No. 10 - East Boundary S.W. Cor. Sec. 4-24-19W. R.M. of Dauphin 0.84 km	Right-of-Way	9,499.00
South Bay Road	7509	Ruttan Lake Mine Unorganized Territory 51.0 km	Gravel	85,755.94
	7715	Ruttan Lake Mine - South Bay Unorganized Territory 51.0 km	Grade Gravel	(20,720.71)
Broadlands Road	7565	P.R. No. 304 - Maskwa River L.G.D. of Alexander 6.4 km	Right-of-Way	43,247.68

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Broadlands Road	7613	P.R. No. 304 - Maskwa River L.G.D. of Alexander 6.4 km	Grade (6.4 km) Gravel (6.4 km)	$454,145.25
Shoal River Road	7594	Dawson Bay I.R. - Westerly Swan River Unorganized 7.4 km	Grade Gravel	173,158.07
	7650	West of Dawson Bay I.R. Unorganized Territory 7.0 km	Grade Gravel	802,189.63
	7858	West of Dawson Bay I.R. - P.T.H. No. 10 L.G.D. of Mountain 9.4 km	Preliminary Engineering	77,455.20
Easterville Extension	7609	P.T.H. No. 10 - Easterly Unorganized Territory 17.7 km	Base Course A.S.T.	93,228.01
Proposed Route	7610	P.R. No. 211 - P.R. No. 313 R.M. of Lac du Bonnet & Pinawa 14.0 km	Preliminary Engineering	42,275.18
	7611	P.R. No. 211 - P.R. No. 313 R.M. of Lac du Bonnet & Pinawa 14.0 km	Right-of-Way	66,982.17
	7619	West of P.R. No. 508 R.M. of St. Clements 0.73 km	Grade	302,190.57
	7708	Shellmouth - Saskatchewan Border R.M. of Shellmouth 2.0 km	Preliminary Engineering	33,536.36
	7811	West of P.R. No. 230 R.M. of St. Andrews 1.26 km	Grade	643,172.65
Thompson-Gillam Road	7651	Split Lake Access - Long Spruce Unorganized Territory 139.0 km	Grade Drainage	450,211.54

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Thompson-Gillam Road	7659	P.R. No. 391 - Split Lake Unorganized Territory 127.0 km	Gravel Grade	$186,250.58
	7879	Split Lake - Long Spruce Unorganized Territory 139.0 km	Gravel	417,259.60
Moose Lake Access Road	7703	Atikameg - Moose Lake Unorganized Territory 39.2 km	Grade Repair Gravel	31,078.19
	7711	35.0 km - 38 km Various Locations Unorganized Territory	Shoulder Widening Grade Stabilization	47,605.80
Gillam Sundance Road	7744	Gillam - Limestone L.G.D. of Gillam & Unorganized Territory 49.8 km	Bituminous Levelling Slope Restoration	168,317.78
Main Market Road	7771	South Leifer Road L.G.D. of Alonsa 5.2 km	Calcium Chloride (5.2 km)	6,456.24
Pinawa Channel Road	7568	P.R. No. 211 - P.R. No. 313 L.G.D. of Pinawa R.M. of Lac du Bonnet 8.2 km	Clearing Grade (8.2 km) Gravel (8.2 km)	542,667.99
	7791	R.M. of Lac du Bonnet	Gravel	63,726.30
	7873	R.M. of Lac du Bonnet	Removal of Street Trusses	25,833.27
Miscellaneous				
	7400	Various Highways	Right-of-Way	9,686.52
	7401	District 1	Engineering Expenses	22,586.03
	7402	District 2	Engineering Expenses	99,319.52
	7403	District 3	Engineering Expenses	13,612.17
	7404	District 4	Engineering Expenses	16,381.54

Table No. C3

Highway No.	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	7405	District 5	Engineering Expenses	$ 22,904.61
	7406	District 6	Engineering Expenses	25,279.59
	7407	District 7	Engineering Expenses	8,150.47
	7408	District 8	Engineering Expenses	33,903.71
	7409	District 9	Engineering Expenses	3,608.34
	7410	District 10	Engineering Expenses	22,910.37
	7411	District 11	Engineering Expenses	24,081.99
	7412	District 12	Engineering Expenses	16,320.07
	7415	Various Highways	Engineering Audit Survey	86,569.68
	7435	Lake St. George - Jackhead Road Unorganized Territory 19.8 km	Grade Gravel	624,913.24
	7495	P.R. No. 328 - South of Section 32-34-15W. Dauphin Unorganized 12.5 km	Grade Gravel	31,494.25
	7511	Cross Lake - Oxford House - Gods Lake Narrows Rupertsland Unorganized	Surfacing	3,365.06
	7762	Cormorant & Moose Lake Roads Unorganized Territory 19.6 km	Calcium Chloride	40,310.91
	7779	Various Locations R.M. of St. Clements, Lac du Bonnet & Unorganized Territory	Calcium Chloride	45,317.00
	7789	Various Provincial Roads L.G.D. of Mystery Lake, R.M. of Lynn Lake & Town of Leaf Rapids 440.0 km	Calcium Chloride	256,717.43

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	7813	Various R.M. of St. Andrews 7.3 km	Calcium Chloride	$ 15,162.25
	7868	P.R. No. 391 - Wekusko Lake L.G.D. of Snow Lake & Unorganized Territory 4.6 km	Preliminary Engineering	2,518.79
	Various Work Orders Incidental Amounts			3,430.68
	Bridge Projects (for details see Table No. B1)			11,268,992.85
			*1,512.7	47,527,686.14

*Nature of Work completed in km

Bituminous Pavement	83.0
Calcium Chloride	695.7
Base Course	130.5
Grading	200.9
Gravelling	291.4
Concrete Pavement	0.0
Asphalt Surface Treatment	97.1
Seal Coat	14.1
	1,512.7

Table No. C6

WINTER TRUCK ROADS
CONSTRUCTION AND MAINTENANCE
APPROPRIATION 15-2B-1 & 15-2B-2

Work Order No.	Location	Project Kilometres	Description of Work	Expenditure
CWT 904	Vicinity of Split Lake - York Landing - Ilford	32	Construction & Maintenance	$ 52,597.62
908	South Bay - South Indian Lake	14	Construction & Maintenance	37,030.89
910			Consultant & Attorney - Payment	1,175.78
911	Shamattawa - Gillam	140	Construction & Maintenance	22,555.67
970	Hole River - Red Sucker Lake	822	Construction & Maintenance	5,777.18
971	Cross Lake - Oxford House	92	Construction & Maintenance	210.34
972	Cross Lake - Oxford House	50	Construction & Maintenance	530.45
973	Oxford House - God's Lake Narrows	36	Construction & Maintenance	437.31
974	East Channel - Nelson River & Cross Lake	64	Construction & Maintenance	2,325.14
975	York Landing - Ilford	32	Construction & Maintenance	92.42
976	Oxford House - God's Lake Narrows	55	Construction & Maintenance	3,357.32

Table No. C6

Work Order No.	Location	Project Kilometres	Description of Work	Expenditure
CWT 979	Cross Lake - Oxford House	92	Construction & Maintenance	$ 153,514.99
980	Cross Lake - Oxford House	50	Construction & Maintenance	87,495.40
981	Oxford House - God's Lake Narrows	36	Construction & Maintenance	69,154.94
982	East Channel - Nelson River & Cross Lake - Oxford House	64	Construction & Maintenance	139,468.92
983	York Landing - Ilford	32	Construction & Maintenance	44,829.01
984	Oxford House - God's Lake Narrows	55	Construction & Maintenance	113,695.42
985	Hole River - Red Sucker Lake	814	Construction & Maintenance	1,692,146.93
986	God's Lake Narrows - God's River	54	Construction & Maintenance	108,320.40
987	Sea River Falls		Construction & Maintenance	11,634.67
				*$2,546,350.80

*Appropriation Summary

15-2B-1	113,359.96
15-2B-2	2,432,990.84
	$2,546,350.80

BRIDGES AND TRANSPORTATION STRUCTURES CONSTRUCTED, RECONSTRUCTED AND REPAIRED INCLUDING OPERATION OF FERRIES APPROPRIATIONS 15-2D-3 & 15-8A

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
15-2D-3		Provincial Trunk Highways and Provincial Roads		
	0800	Bridge Yard, Winnipeg 5 Midland St. and 1550 Dublin Ave.	Bridge Yard and New Shop Renovations	$ 42,625.53
	0801	Bridge Yard and Warehouse; Beausejour R.M. of Brokenhead	Maintenance of Bridge Yard and Building	13,500.58
	0802	Bridge Yard and Warehouse; Dauphin R.M. of Dauphin	Maintenance of Bridge Yard	4,179.27
321	0803	Explosive Magazine Yard-Miller Road R.M. of W. St. Paul	Maintenance of Explosive Magazine and Yard	2,026.98
Various	0804	Various P.T.H.'s and P.R.'s	Bridge Maintenance, Patching of Concrete Decks, Joint Repairs, Concrete Rail Post Replacement	83,673.74
Various	0805	Various P.T.H.'s and P.R.'s	Bridge Maintenance, Painting of Bridges	212,236.91
100 & 101	0806	Various Winnipeg Perimeter Bridges	Maintenance of Bridge Slopes	21,209.19
Various	0807	Various P.T.H.'s	Inspection of Bridges and Structures	15,085.30
Various	0808	Various P.R.'s	Inspection of Bridges and Structures	13,347.45
Various	0809	Various Structures on Provincial Roads	Bridge Maintenance - Installation of Lateral Restraint Rods	22,754.47
468	0810	Willow Creek R.M. of Cornwallis	Installation of Ice-Breakers	987.70

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
26	0811	Various Bridges R.M. of St. Francois-Xavier; R.M. of Portage la Prairie	Guardrail Repairs	$ 1,013.93
T.C.H. 1E.	0812	Drain East of Deacon's Corner R.M. of Tache	Repair of Reinforced Concrete Box Culvert	11,857.04
100	0813	Letellier Overpass Parish of St. Norbert City of Winnipeg	Repairs to Precast Concrete Girders	30,310.89
204	0814	St. Clements R.M. of St. Clements	Repair of Timber Bridge Deck	14,175.99
12	0815	Brokenhead River R.M. of St. Clements	Cleanout	1,738.64
227	0816	Portage la Prairie R.M. of Portage la Prairie	Replacement of Broken Railposts	290.81
5	0817	Various R.M. of Rosedale	Cleaning out Concrete Box Culverts	4,888.96
26	0819	Treated Timber Bridge Over Drain; R.M. of St. Francois-Xavier	Timber Guardrail Repairs	844.32
20 & 364	0820	Mossey River R.M. of Mossey River	Repair of Cracked Stringers	4,947.76
240	0821	Assiniboine River R.M. of Portage la Prairie	Truss Members and Sub-Structure Repairs	18,861.63
392 & 393	0822	Snow Creek and Hayward Creek E.D. of Flin Flon	Treated Timber Stringer Repairs	4,221.68
332	0824	Morris River South of Brunkild R.M. of Macdonald	Repair of Pile Cap and Sway Bracing	7,608.12

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
83	0825	Pipestone Creek R.M. of Pipestone	Repair of Timber Pier Cap	$ 5,642.85
T.C.H. 1E.	0826	Symington Overpass City of Winnipeg	Guardrail Repairs	966.85
277	0827	Various Structures E.D. of Swan River	Railpost Repairs and Replacement	9,730.33
329 & 9	0829	Icelandic River and Willow Creek R.M. of Bifrost R.M. of Gimli	Structure Repairs	2,107.20
350 & 16	0830	Pine Creek and Whitemud River R.M. of Westbourne	Sub-Structure Repairs and Channel Clean-up	748.25
1 & 25	0831	Various Structures	Pipe Curb Repairs	365.92
	0832	Mud Lake Drain Main Market Road L.G.D. of Grahamdale	Sub-Structure Repairs	1,531.93
			Maintenance	553,480.22
Ferries				
340	0823	Treesbank Ferry over Assiniboine River R.M. of Cypress	Operation & Maintenance of Ferry	147,017.60
			15-2D-3 Total	700,497.82
15-8A Provincial Trunk Highways				
3	8527	In Drain R.M. of Turtle Mountain	Reinforced Concrete Box Culvert Extension	60,329.48
5	8516	In Drain R.M. of Rosedale	Reinforced Concrete Box Culvert Construction	145,783.74
8	8526	In Drain R.M. of Bifrost	Reinforced Concrete Box Culvert Construction	128,511.71

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
23	8361	Graham Creek R.M. of Roland	Bridge Construction	$ 92,814.57
	8501	Rat River R.M. of De Salaberry	Reinforced Concrete Bridge Construction	31,211.80
44	8539	Cooks Creek R.M. of St. Clements	Bridge Construction	31,859.14
50	8535	Municipal Access Road R.M. of McCreary	Bridge Construction	52,190.71
	8536	Municipal Access Road R.M. of McCreary	Bridge Construction	48,401.55
Miscellaneous				
	8315	Various	General Engineering	23,510.09
	8316	Various	Sub Surface Soil Exploration	40,663.35
			Provincial Trunk Highways	655,276.14
15-8A Provincial Roads				
200	7725	Red River Floodway R.M. of St. Vital	Deck Repairs and Bituminous Pavement	298,764.12
201	7498	Access to P.R. 201 R.M. of Rhineland	Bridge Extension and Construction	5,488.04
213	7652	Cooks Creek R.M. of Springfield	Bridge Construction	132,448.88
234	7709	Sugar Creek R.M. of Bifrost	Bridge Dismantling	7,345.54
	7857	Washow Bay Drain R.M. of Bifrost	Bridge Construction	6,040.17
247	7780	La Salle River R.M. of Macdonald	Bridge Construction	417,940.84
256	7874	Bosshill Creek R.M. of Wallace	Bridge Construction	10,854.62
265	7504	Snake River R.M. of Rosedale	Bridge Construction	399.39

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
269	7869	Rice Lake Drain R.M. of Mossey River	Bridge Construction	$ 28,154.31
316 & 435	7863	Selkirk Line East Drain R.M. of Brokenhead	Bridge Construction	53,775.37
341	7875	Little Pembina River R.M. of Morton	Bridge Construction	7,253.87
344	7876	Orthez Drain R.M. of Riverside	Bridge Construction	11,530.79
349	7861	Little Souris River Diversion R.M. of Cornwallis	Bridge Construction	123,550.70
352	7841	In P.R. No. 352 R.M. of Lansdowne	Culvert Extension	26,654.12
364	7534	Mossey River R.M. of Mossey River	Bridge Modifications	42,846.06
366	7870	Silver Creek R.M. of Grandview	Bridge Construction	50,610.20
422	7822	Howatt Drain Anderson Drain R.M. of Morris	Bridge Construction	94,154.36
	7834	Bell Drain Russell Drain R.M. of Morris	Bridge Construction	71,307.84
462	7536	Glenella Drain R.M. of Glenella	Bridge Construction	58,432.78
471	7878	P.R. No. 471 R.M. of Rosedale	Bridge Construction	7,732.84
484	7871	Big Boggy Creek R.M. of Shell River	Bridge Construction	49,143.31
491	7499	Drifting River R.M. of Dauphin	Bridge Construction	90.55

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
588	7500	Swan River R.M. of Swan River	Bridge Construction	$ 334,969.93
701	7532	Alignment Route 8D R.M. of St. Andrews R.M. of St. Clements	Consulting Engineering Services	104,716.30
	7533	Red River R.M. of St. Andrews R.M. of St. Clements	Bridge Construction	7,769,644.12
706	7620	Assean River E.D. of Churchill	Steel Truss Bridge Construction	862,512.60
715	7803	Vicinity of Cowan L.G.D. of Mountain	Bridge Construction	62,591.57
718	7843	Goose River E.D. of Flin Flon	Bridge Construction	308,095.48
726	7842	Fisher River Peguis Indian Reserve	Bridge Construction	163,136.53
800	7872	Jack River at Norway House E.D. of Rupertsland	Engineering Study	16,901.49
Miscellaneous				
	7413	Various	General Engineering	79,719.53
	7414	Various	Sub Surface Soil Exploration	62,186.60
			Provincial Roads	$11,268,992.85

Appropriation Summary

15-2D-3	Maintenance	$ 553,480.22	
	Ferries	147,017.60	
		700,497.82	$ 700,497.82
15-8A	P.T.H.	655,276.14	
	P.R.	11,268,992.85	
		11,924,268.99	11,924,268.99
		GRAND TOTAL	$12,624,766.81

Table No. M1

MAINTENANCE CONTINGENCIES
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-2A

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
1	713	Headingley	Construct Acceleration & Deceleration Lanes	$ 5,460.72
1A	716	1st St. in Brandon from Braecrest Dr. to Ross Ave. 0.4 km	Construct A.S.T. Shoulder and Asphalt Gutter	18,264.55
5	714	Jct. P.T.H. No. 5 and P.R. No. 361	Tree-bed Care	1,154.25
6	707	Mile 57 to Mile 61 North of P.R. No. 513 0.8 km	Grade Repair	67,524.94
7	711	North and South of P.T.H. No. 101 2.0 km	Bituminous Repairs	73,883.03
13	717	P.T.H. No. 1 to South District Boundary 17.4 km	Bituminous Repairs	19,406.28
34	712	S.E. 28-8-11W	Grade Slope Repair	9,354.87
45	715	West of U.V.D. of Menzies 1.3 km	Seal Coat	7,319.82
				202,368.46

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-2A

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
1	514	Virden - Elkhorn 22.0 km	Bituminous Repairs	$ 38,393.22
	515	Oak Lake - Virden 22.0 km	Rout & Crackfill	120,852.40
	520	Symington - Navin Road	Concrete Repairs	58,241.75
	524	Headingley - West District Boundary - North Service Rd.	Bituminous Repairs	15,371.76
	531	P.T.H. No. 16 - P.T.H. No. 26 32.0 km	Concrete Repairs	52,268.07
	532	East District Boundary - Norquay Park 40.0 km	Center Line Repairs	46,076.42
	533	P.T.H. No. 34 - 1 Mile East of P.R. No. 350 14.4 km	Spray Patching	19,863.41
	537	East of Portage La Prairie - South Service Road 1.6 km	Stabilize & Gravel	11,515.74
	540	P.R. No. 332 - Norquay Park West Bound Lanes 32.0 km	Rout & Crackfill	97,452.81
	597	P.R. No. 506 - Brokenhead River West Bound Lanes 15.0 km	Rout & Crackfill	24,645.30
	599	1.6 km West of Hadashville - P.R. No. 506 - East Bound Lanes 13.0 km	Rout & Crackfill	23,293.06
	635	Boundary R.M. of Portage - 5.0 km West West Bound Lanes 5.0 km	Recycle Deformed Lanes	31,371.12
	636	Boundary R.M. of Portage - 5.0 km West West Bound Lanes 5.0 km	Seal Coat	36,376.15

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
1A	534	P.T.H. No. 26 - 10th Street Portage La Prairie 2.4 km	Bituminous Repairs	$ 21,295.50
2	581	P.R. No. 334 - P.T.H. No. 13 45.7 km	Concrete Repairs	51,985.58
3	579	P.R. No. 332 - East 30.0 km	Restore Shoulders	3,213.46
5	513	South District Boundary - P.T.H. No. 2 4.8 km	Seal Coat	26,215.64
	591	North District Boundary - P.T.H. No. 23 16.9 km	Seal Coat	110,461.66
6	609	Grand Rapids Drive - West	Bituminous Repairs	14,538.63
	610	Grand Rapids Drive - North	Bituminous Repairs	27,713.14
	611	Eriksdale - Lundar 20.5 km	Bituminous Repairs	17,309.40
7, 9 & 410	518	Various Locations	Bituminous Repairs	57,258.06
	541	P.T.H. No. 67 - P.R. No. 517 10.4 km	Rout & Crackfill	14,520.77
	608	P.R. No. 229 - P.T.H. No. 68 44.3 km	Bituminous Repairs	17,521.79
8	616	P.R. No. 229 - P.T.H. No. 68 44.3 km	Bituminous Repairs	11,031.30
	622	P.T.H. No. 67 - P.R. No. 229	Bituminous Repairs	105,914.02
9	615	Gimli - South 12.9 km	Bituminous Repairs	9,220.24

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
9	637	South Jct. 9A - North Jct. 9A 7.7 km	Rout & Crackfill	$ 11,367.01
10	544	P.R. No. 391 - Flin Flon	Shoulder Restoration	5,119.84
	548	P.R. No. 391 - Flin Flon	Bituminous Repairs	23,820.05
	550	Atik - P.R. No. 391	Shoulder Restoration	15,063.28
	551	The Bog Area	Bituminous Repairs	17,384.95
	558	P.R. No. 277 - Overflowing River	Bituminous Repairs	40,590.46
12	600	P.R. No. 208 - P.R. No. 402 23.0 km	Rout & Crackfill	14,224.54
	601	Thru Steinbach 8.0 km	Bituminous Repairs	15,221.04
	602	Steinbach - P.T.H. No. 1 29.0 km	Bituminous Repairs	17,553.88
14 & 30	577	P.T.H. No. 30 - P.T.H. No. 32 & U.S. Border - Altona 41.0 km	Rout & Crackfill	22,469.72
15	585	Elma - Contour 16.0 km	Bituminous Repairs	13,123.25
	623	P.R. No. 207 - End of Concrete 16.9 km	Concrete Repair	14,115.16
16	542	P.T.H. No. 34 - P.R. No. 350 12.3 km	Rout & Crackfill	29,235.43
	569	East District Boundary - P.R. No. 470	Bituminous Repairs	34,283.25
17	613	P.R. No. 329 - P.R. No. 325 24.0 km	Bituminous Repairs	13,179.03
17 & 419	614	P.R. No. 231 - P.R. No. 329 & Chatfield Access 39.5 km	Seal Coat	256,700.85

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
18	639	P.T.H. No. 23 - North District Boundary	Bituminous Repairs	$ 29,927.07
20	561	East District Boundary - Campervi lle	Bituminous Repairs	23,858.11
23	575	P.T.H. No. 3 - Deerwood 28.6 km	Rout & Crackfill	24,019.10
24	629	P.T.H. No. 21 - P.R. No. 254	Seal Wheel Paths	6,686.36
26	539	P.R. No. 248 - East 24.0 km	Bituminous Repairs	38,454.37
32	571	P.T.H. No. 14 - U.S. Border 22.7 km	Rout & Crackfill	17,732.99
	619	P.R. No. 243 - U.S. Border 6.6 km	Shoulder Restoration	19,763.91
34	527	P.T.H. No. 1 - P.T.H. No. 16 29.3 km	Seal Coat	272,411.45
	633	U.S. Border - 1 Mile North 1.6 km	Grade Repair	54,653.19
42	630	P.T.H. No. 83 - P.R. No. 560	Seal Wheel Paths	5,978.60
44	519	P.T.H. No. 9 - C.N.R. Tracks 3.3 km	Seal Coat	31,499.75
	583	P.R. No. 301 - P.R. No. 307 30.2 km	Bituminous Repairs	77,966.04
	587	P.T.H. No. 11 - P.T.H. No. 1 63.4 km	Mechanical Brushing	2,441.24
45	625	P.T.H. No. 21 - P.R. No. 472 12.8 km	Seal Coat	83,840.19
50	506	Alonsa - N.E. 31-20-12W 12.8 km	Bituminous Repairs	27,888.36
52	605	Steinbach - P.T.H. No. 59 21.0 km	Bituminous Repairs	15,644.21
75	552	Emerson Park	Yearly Maintenance	12,775.07

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
75, 205 & 246	603	Emerson - P.T.H. No. 14 29.0 km	Rout & Crackfill	$ 72,159.90
83	559	P.R. No. 367 - P.T.H. No. 49	Bituminous Repairs	19,033.40
	560	Durban - Swan River	Bituminous Repairs	25,524.90
100	638	P.T.H. No. 3 - P.R. No. 427 North Bound Lanes 8.0 km	Rout & Crackfill	47,017.83
101	517	P.T.H. No. 6 - P.T.H. No. 9 East & West Bound	Concrete Repairs	73,641.12
	526	P.R. No. 425 - P.R. No. 221 North & South Bound	Concrete Repairs	87,735.20
				2,678,024.50

MAINTENANCE CONTINGENCIES
PROVINCIAL ROADS
APPROPRIATION 15-2A

Table No. M4

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
255 & 256	710	Cromer - South & West	Grade Repair	$ 3,145.25
265	709	At Palonia	Washout Repair	7,778.54
275	718	P.T.H. No. 10A - P.R. No. 588	Deposit Shoulder Gravel	14,663.67
317	726	Near Lac du Bonnet 0.5 km	Drainage	3,043.00
340	719	At Assiniboine River	Grade Slope Repair	5,444.56
364, 481 & 490	722	Rorketon Area 5.0 km	Grade Repair	7,782.49
Various	700	Various Areas	Advertizes for Spring Road Restrictions	19,410.71
	701	Various Roads	Mobilize Concrete & Joint Repair Special Crews	55,880.40
	702	Various Roads	Mobilize Seal Coat Crews	15,666.02
	704	Various Roads	Repair Benkleman Beam	2,885.58
	720	Minnedosa	Build Flat Deck For Sign Truck	5,962.51
	724	Churchill 5.3 km	Bituminous Repairs	10,107.38
	725	Various Areas	Hearing Tests for Maintenance Personnel	16,147.73
	727	Norway House Community Roads	Snowplowing	54,364.51
	728	Boissevain District	Purchase of Portable Scales	10,091.20

Table No. M4

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
Various	729	Various Areas	Transportation of Dangerous Goods Training	$ 979.00
				$233,352.55

Table No. M5

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL ROADS
APPROPRIATION 15-2A

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
201	596	Calien - P.R. 218 42.6 km	Seal Coat	$231,583.72
	604	P.R. No. 218 - P.R. No. 200 11.0 km	Bituminous Repairs	16,821.90
206, 207 & 311	606	P.R. No. 207 - P.R. No. 311 Dufresne - Lorette P.T.H. No. 12 - P.R. No. 206 34.0 km	Bituminous Repairs	59,204.12
221 & 241	522	Various Locations in Winnipeg Area	Bituminous Repairs	88,387.50
221, 227, 241 & 249	536	Various Locations in the Poplar Point Area 18.0 km	Traffic Gravel	20,664.00
228	528	P.T.H. No. 7 - East 10.0 km	Seal Coat	61,589.54
	621	P.T.H. No. 8 - West District Boundary 4.8 km	Seal Coat	30,219.11
229	617	P.T.H. No. 8 - Komarno 16.7 km	Seal Coat	99,984.51
234 & 325	607	P.R. No. 325 - Beaver Creek 24.3 km	Traffic Gravel	43,426.72
240 & 338	582	P.R. No. 305 - South Miami - North 11.2 km	Stabilize and Traffic Gravel	25,620.73
241, 331 & 427	535	Various Locations in the Elie Area 20.0 km	Traffic Gravel	11,037.99
243	580	P.T.H. No. 30 - West 13.0 km	Traffic Gravel	10,338.02

Table No. M5

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
244	574	P.T.H. No. 2 - P.T.H. No. 23 29.8 km	Seal Coat	$213,615.48
247	578	P.T.H. No. 2 - P.R. No. 248 16.0 km	Traffic Gravel	14,391.00
	620	Sanford 2.3 km	Seal Coat	19,160.08
251	593	P.T.H. No. 21 - P.T.H. No. 83 39.9 km	Seal Coat	259,107.63
254 & 577	624	P.T.H. No. 45 - N.E. 14-20-24W 7.9 km	Seal Coat	88,944.08
	627	In Rossburn	Bituminous Repairs	19,451.64
257	516	P.T.H. No. 83 - P.R. No. 256 19.6 km	Bituminous Repairs	72,414.69
262	568	P.T.H. No. 10 - P.T.H. No. 16	Bituminous Repairs	44,735.44
274	500	Gilbert Plains - South 12.5 km	Seal Coat	113,110.15
	502	Valley River Bridge - P.R. No. 267 22.5 km	Seal Coat	143,149.48
276	504	3.3 km North of P.T.H. No. 5 - P.R. No. 364 37.8 km	Bituminous Repairs	89,859.45
304	586	P.T.H. No. 12 - P.T.H. No. 11	Bituminous Repairs	21,151.45
	589	P.T.H. No. 11 - Black River 36.0 km	Bituminous Repairs	12,529.15
307	584	P.T.H. No. 11 - P.T.H. No. 44 57.0 km	Bituminous Repairs	39,952.74

Table No. M5

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
307	588	P.T.H. No. 11 - P.T.H. No. 44 78.2 km	Spray Patching	$ 8,979.99
317	590	P.T.H. No. 59 - P.T.H. No. 11 48.1 km	Seal Coat	338,592.30
327	634	Easterville Access 19.7 km	Grade Repair & Gravel	60,789.83
330	572	La Salle - Domain 10.0 km	Bituminous & Sub-Grade Repairs	22,401.67
332	576	P.R. No. 523 - P.T.H. No. 23 10.0 km	Reshape & Gravel	32,333.08
351	512	P.T.H. No. 1 - P.T.H. No. 5 18.0 km	Bituminous Repairs	39,599.97
355	570	P.T.H. No. 10 - C.N.R. Tracks 2.0 km	Seal Coat	9,695.60
361	505	P.T.H. No. 5 - Riding Mountain National Park 6.8 km	Bituminous Repairs	8,719.26
362	507	Dauphin - Sifton 30.5 km	Bituminous Repairs	20,900.75
363	503	P.T.H. No. 83 - Saskatchewan Border 8.9 km	Bituminous Repairs	10,719.30
365	565	P.T.H. No. 10 - West	Traffic Gravel	7,019.37
366	557	Minitonas - P.T.H. No. 10 3.5 km	Seal Coat	20,077.31
	564	Roaring River - North	Traffic Gravel	4,990.18

Table No. M5

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
391	553	Leaf Rapids - Lynn Lake	Bituminous Repairs	$ 48,635.57
	555	Sasaqui Rapids - Thompson Airport	Bituminous Repairs	43,365.36
	556	Ponton - Sasaqui Rapids	Bituminous Repairs	25,150.01
	632	Various Locations	Brush Spraying	7,228.51
392	547	P.R. No. 391 - Wekusko	Grade Repair	8,930.09
394	554	Vanderkerckhove - Co-op Point	General Maintenance	7,499.97
430	529	P.T.H. No. 26 - P.R. No. 227 8.0 km	Seal Coat	62,131.70
432	573	P.T.H. No. 23 - 8.8 km South of Morden 27.8 km	Seal Coat	207,959.21
478	628	Saskatchewan Border - Binscarth	Seal Wheel Paths	5,700.11
487, 488 & 588	563	Various Locations in the Swan River Area	Traffic Gravel	11,890.69
526	530	P.T.H. No. 26 - North 2.4 km	Seal Coat	25,272.00
586	562	San Clara - Boggy Creek	Traffic Gravel	15,036.38
Various	543	Various Provincial Roads & Highways	Special Road Side Clean-up	1,900.18
	545	Manfor Roads	Summer Maintenance	51,702.00
	546	Various Locations The Pas - Thompson Area	Mechanical Brushing	36,478.66

Table No. M5

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
Various	566	Various Locations in Swan River District	Brush Spraying	$ 8,926.73
	567	Various Locations Minnedosa Area	Traffic Gravel	17,456.22
	592	International Peace Garden	General Maintenance	8,241.59
	595	Various Locations Boissevain Area	Spot Sealing	75,883.25
	598	Vita Maintenance Yard	Construct Salt Bin	10,115.59
	618	Eastervilie Road P.R. No. 327 - West 36.0 km	Seal Coat	145,460.28
	626	Various Locations in the Birtle Area	Traffic Gravel	20,008.59
	640	Various Districts	Workman's Compensation	83,808.02
Access Roads	509	Brandon Access 1.6 km	Seal Coat	31,663.23
	549	Manfor Complex Access	Bituminous Repairs	12,257.78
	612	St. Laurent Access 7.7 km	Bituminous Repairs	11,330.95
				$3,419,301.60

Table No. M7

MAINTENANCE EXPENDITURES
PROVINCIAL TRUNK HIGHWAYS AND PROVINCIAL ROADS
APPROPRIATION 15-2A

	Provincial Trunk Highways	Provincial Roads	Total
Summer Maintenance	$ 8,493,573.58	$17,004,079.42	$25,497,653.00
Winter Maintenance	6,484,654.61	8,183,797.87	14,668,452.48
Special Projects	2,678,024.50	3,419,301.60	6,097,326.10
Contingencies	202,368.46	233,352.55	435,721.01
Sub Total	17,858,621.15	28,840,531.44	46,699,152.59
Vacation and Sick Leave			2,747,630.58
Maintenance Management			259,743.02
Administrative Overheads			(32,821.82)
Materials Holding Account			266,582.04
Total			$49,940,286.41

Table No. M8

MAINTENANCE
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-2A

Highway	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
1	465.4	$1,126,324.54	$1,003,415.50	$2,129,740.04	$4,576
2	314.9	294,180.02	204,054.73	498,234.74	1,582
3	396.7	589,580.91	258,075.74	847,656.65	2,137
5	400.6	347,621.65	266,909.63	614,531.28	1,534
6	588.4	666,232.33	466,249.18	1,132,481.51	1,925
7	104.6	113,019.96	70,147.33	183,167.30	1,751
8	117.2	170,849.42	72,200.46	243,049.88	2,074
9	84.5	147,590.75	99,762.43	247,353.18	2,927
1A	30.7	79,426.42	152,798.92	232,225.35	7,564
10	723.1	632,965.71	741,204.31	1,374,170.02	1,900
11	146.8	204,278.18	117,299.74	321,577.92	2,191
12	259.3	239,271.07	294,531.20	533,802.27	2,059
13	50.4	61,394.38	56,095.20	117,489.57	2,331
14	50.4	40,809.14	31,023.83	71,832.97	1,425
15	75.5	71,202.86	72,033.68	143,236.54	1,897
16	260.7	269,816.20	150,944.48	420,760.68	1,614
17	107.5	152,937.87	38,319.61	191,257.48	1,779
18	55.4	43,981.18	27,871.15	71,852.33	1,297
19	5.0	7,556.91	10,094.22	17,651.13	3,530
20	169.9	142,172.93	114,417.33	256,590.26	1,510
21	176.2	223,948.51	83,343.69	307,292.20	1,744
22	20.9	23,473.83	26,225.94	49,699.77	2,378
23	266.8	338,459.62	187,513.89	525,973.51	1,971
24	80.5	85,912.44	31,107.23	117,019.67	1,454
25	28.2	25,345.84	18,702.74	44,048.58	1,562
26	64.4	71,850.46	63,413.12	135,263.58	2,100
27	2.9	7,917.06	16,109.49	24,026.56	8,285
29	0.5	1,898.23	5,845.11	7,743.34	15,487
3A	11.3	14,702.36	5,562.81	20,265.17	1,793
30	21.9	17,505.75	19,342.89	36,848.63	1,683
31	22.7	12,560.39	18,988.88	31,549.27	1,390
32	22.7	39,161.56	13,224.71	52,386.27	2,308
34	124.2	180,581.01	64,907.74	245,488.75	1,977
41	70.6	61,789.37	29,048.72	90,838.08	1,287
42	52.5	61,812.85	28,242.24	90,055.09	1,715

Table No. M8

Highway	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
44	118.9	$ 166,610.58	$ 197,836.00	$ 364,446.58	$3,065
45	106.1	83,872.50	46,833.77	130,706.27	1,232
49	1.6	3,085.78	1,357.10	4,442.89	2,777
5A	6.6	10,506.65	23,877.26	34,383.91	5,210
50	123.4	141,106.24	63,103.58	204,209.81	1,655
52	35.1	64,675.72	75,080.18	139,755.89	3,982
57	1.6	2,595.42	3,246.48	5,841.91	3,651
59	189.9	262,810.69	218,642.30	481,452.99	2,535
67	45.1	37,462.00	63,331.92	100,793.91	2,235
68	81.1	55,594.83	33,838.51	89,433.34	1,103
75	91.7	204,070.64	183,119.63	387,190.27	4,222
83	333.1	361,409.54	180,254.03	541,663.57	1,626
89	10.0	53,027.57	11,890.61	64,918.18	6,492
9A	7.7	34,836.07	98,673.85	133,509.91	17,339
10A	12.1	65,676.69	57,504.82	123,181.51	10,180
100	39.9	191,677.70	212,632.10	404,309.79	10,133
101	40.2	170,399.91	117,475.16	287,875.07	7,161
16A	9.0	10,218.10	25,002.08	35,220.18	3,913
20A	5.1	5,805.24	11,927.36	17,732.63	3,477
	6,631.5	$8,493,573.58	$6,484,654.61	$14,978,228.18	$2,259

*The "Cost per km" is rounded off to the nearest dollar and includes overheads

Table No. M9

MAINTENANCE
PROVINCIAL ROADS
APPROPRIATION 15-2A

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
Other Roads	District 10	365.0	$826,017.96	$384,079.07	$1,210,097.03	$3,315
200	Emerson - P.T.H. No. 100	95.8	91,149.57	98,268.65	189,418.22	1,977
201	Piney - P.T.H. No. 34	233.5	293,075.25	156,574.18	449,649.42	1,926
202	Birds Hill - Lockport	15.0	25,703.80	5,760.53	31,464.32	2,098
203	Piney - Woodridge - P.T.H. No. 12	46.3	50,963.87	10,074.68	61,038.55	1,318
204	P.T.H. No. 101 - East Selkirk	29.6	74,029.69	49,538.52	123,568.22	4,175
205	Sarto - Sperling	81.4	124,316.22	67,314.97	191,631.19	2,354
206	P.T.H. No. 52 - Lockport	59.9	58,838.29	51,474.02	110,312.32	1,842
207	East of Ste. Anne - P.T.H. No. 1E. - P.R. No. 213	57.1	66,723.41	116,188.05	182,911.46	3,203
209	Vita - Emerson	44.6	71,619.29	19,356.95	90,976.24	2,040
210	P.T.H. No. 12 - Ste. Anne - Ile des Chenes	111.2	150,937.59	102,726.25	253,663.84	2,281
211	Pinawa - P.T.H. No. 11	14.0	3,509.63	13,170.88	16,680.52	1,191
212	P.R. No. 206 - East Selkirk	23.7	47,933.72	19,463.48	67,397.19	2,844
213	Hazelridge - P.T.H. No. 59	25.9	27,847.76	33,686.96	61,534.72	2,376
214	P.T.H. No. 44 - Milner Ridge - P.T.H. No. 11	25.9	7,273.85	11,919.60	19,193.45	741
215	Beausejour - P.T.H. No. 12	9.8	6,778.14	30,470.10	37,248.24	3,801
216	P.T.H. No. 59 - New Bothwell	34.8	37,502.28	16,329.60	53,831.88	1,547

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
217	Rosa - St. Jean Baptiste	37.8	$ 36,404.12	$ 17,701.74	$ 54,105.85	$1,431
218	Ridgeville - St. Malo	29.5	33,168.61	11,991.59	45,160.20	1,531
220	P.T.H. No. 9 - P.R. No. 223	20.3	20,845.41	8,818.29	29,663.70	1,461
221	P.T.H. No. 101 - Rosser - P.T.H. No. 26	48.0	109,081.45	48,446.77	157,528.22	3,282
222	Gimli - Hnausa	42.6	56,180.36	16,409.25	72,589.61	1,704
224	P.R. No. 325 - Fisher Bay	45.1	22,724.57	22,143.23	44,867.79	995
225	Whytewold - P.T.H. No. 8	6.3	8,127.67	13,617.42	21,745.09	3,452
226	P.T.H. No. 68 - P.R. No. 233	14.8	15,979.82	6,927.67	22,907.49	1,548
227	Warren - Westbourne	69.0	145,368.45	26,646.08	172,014.53	2,493
228	P.T.H. No. 8 - P.R. No. 325	14.8	12,391.20	5,628.52	18,019.71	1,218
229	Winnipeg Beach - Clarkleigh	76.1	67,138.76	32,372.26	99,511.02	1,308
230	P.T.H. No. 27 - Selkirk	10.6	13,186.11	24,592.03	37,778.14	3,564
231	Gimli - Narcisse	38.8	35,295.17	11,597.63	46,892.80	1,209
232	Matlock - Winnipeg Beach	10.0	7,395.23	5,746.35	13,141.58	1,314
233	Gull Harbour - Fisher Branch	97.5	170,226.61	33,343.03	203,569.63	2,088
234	Riverton - Matheson Island	104.0	120,689.46	29,078.95	149,768.40	1,440
235	Mulvihill - Lake Manitoba Narrows - Ste. Rose du Lac	128.0	91,579.18	74,861.52	166,440.70	1,300
236	P.T.H. No. 101 - Balmoral	35.4	83,819.93	11,977.34	95,797.27	2,706
237	Moosehorn - Spearhill	8.7	17,564.34	4,208.80	21,773.14	2,503
238	The River Road - Lockport	10.9	22,003.09	27,761.04	49,764.13	4,566
239	Grahamdale - Steep Rock	20.1	9,259.08	16,459.44	25,718.52	1,280
240	Darlingford - Delta	123.6	225,339.64	68,854.86	294,194.50	2,380
241	P.T.H. No. 100 - St. Eustache	43.9	92,209.46	96,733.91	188,943.38	4,304
242	Snowflake - Lake Manitoba	153.9	282,667.47	98,091.32	380,758.79	2,474
243	Emerson - Brown	74.8	154,958.29	36,921.86	191,880.15	2,565

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
244	Manitou - North Rathwell	66.5	$112,125.62	$ 44,119.42	$156,245.04	$2,350
245	Carman - P.R. No. 258	96.1	78,067.85	89,171.78	167,239.63	1,740
246	St. Joseph - P.T.H. No. 75 - P.R. No. 200	53.2	94,280.50	35,410.95	129,691.45	2,438
247	P.T.H. No. 75 - Elm Creek	64.5	156,120.22	48,556.31	204,676.53	3,173
248	Rosenort - P.T.H. No. 6	142.8	215,983.73	81,091.11	297,074.84	2,080
249	P.T.H. No. 26 - Macdonald	29.6	55,412.57	11,517.44	66,930.01	2,261
250	Souris - Rivers - P.R. No. 359	127.8	126,517.12	57,304.20	183,821.32	1,438
251	Goodlands - Saskatchewan Boundary	57.6	45,998.89	10,459.11	56,458.00	980
252	P.T.H. No. 3 - Reston - Hargrave	83.7	64,284.74	23,563.81	87,848.55	1,050
253	Pilot Mound - P.T.H. No. 18	61.3	42,886.97	16,142.99	59,029.96	963
254	P.R. No. 251 - Oak Lake - P.T.H. No. 83	260.1	274,728.14	91,170.42	365,898.56	1,407
255	Oak Lake Resort - Saskatchewan Boundary	52.6	114,383.03	13,127.27	127,510.30	2,424
256	United States Boundary-Elkhorn-McAuley	159.3	183,159.57	44,178.32	227,337.88	1,427
257	Virden - Saskatchewan Boundary	37.3	87,171.39	19,159.98	106,331.37	2,851
259	Wheatland - Virden	56.3	27,425.42	20,619.09	48,044.51	853
260	P.T.H. No. 16 - Alonsa	72.9	76,581.46	20,887.87	97,469.33	1,337
261	Amaranth - Riding Mountain	52.8	56,281.79	17,720.34	74,002.12	1,402
262	Junction P.T.H. Nos. 10 & 24 - Riding Mountain National Park	62.6	63,807.26	39,456.49	103,263.75	1,650
263	Scandinavia - P.R. No. 270	29.5	32,191.60	14,917.34	47,108.94	1,597
265	Lake Manitoba - Clanwilliam	93.0	106,421.33	29,216.88	135,638.20	1,458
266	Bowsman - Birch River	23.8	37,794.54	16,200.51	53,995.05	2,269
267	P.T.H. No. 20 - Sifton - P.R. No. 366	50.9	53,055.33	28,229.15	81,284.49	1,597
268	P.T.H. No. 10 - Birch River	45.5	28,721.08	35,135.26	63,856.34	1,403
269	P.R. No. 490 - Ethelbert	68.6	51,253.48	29,698.41	80,951.88	1,180

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
270	P.T.H. No. 1W. - Basswood - P.R. No. 263	88.8	$ 86,417.97	$ 45,117.99	$131,535.96	$1,481
271	P.T.H. No. 20 - Pine River	32.3	61,686.48	19,005.41	80,691.88	2,498
272	Camperville - Duck Bay	21.6	25,028.41	6,137.15	31,165.55	1,443
273	Fishing River - P.T.H. No. 10	24.0	35,537.12	8,815.91	44,353.02	1,848
274	P.T.H. Nos. 5 & 10 - Gilbert Plains - Ethelbert	89.0	135,778.09	50,204.70	185,982.79	2,090
275	Swan River - Saskatchewan	23.3	17,592.53	19,477.87	37,070.39	1,591
276	Ste. Rose du Lac - Skownan	114.4	76,949.97	64,753.97	141,703.94	1,239
277	P.T.H. No. 10 - Westgate	41.5	22,771.12	33,439.66	56,210.78	1,354
278	P.T.H. No. 50 - Shergrove	41.7	13,243.83	20,805.95	34,049.78	817
279	Bowsman - Whitefish Lake	32.8	33,368.03	23,092.00	56,460.03	1,721
282	Westray - Carrot River	23.8	37,287.73	7,050.50	44,338.23	1,863
283	The Pas - Saskatchewan Boundary	39.8	68,464.03	13,121.13	81,585.16	2,050
285	Rahl's Island - The Pas	15.3	31,076.16	23,108.62	54,184.78	3,541
287	Clearwater Lake - P.T.H. No. 10	19.0	81,909.49	8,819.94	90,729.42	4,775
289	P.R. No. 285 - Grace Lake	3.9	4,364.09	7,003.04	11,367.12	2,915
291	Flin Flon - Channing Lake	4.5	30,442.41	5,601.45	36,043.85	8,010
300	St. Anne's Road	5.3	9,558.67	5,846.79	15,405.45	2,907
301	Falcon Lake - West Hawk Lake	11.6	6,941.75	12,920.81	19,862.56	1,712
302	La Broquerie - Beausejour	106.4	184,058.55	44,270.41	228,328.95	2,146
303	La Broquerie - P.R. No. 200	49.6	93,694.57	28,144.98	121,839.55	2,456
304	P.T.H. No. 59 - Wadhope	202.1	183,043.56	103,759.90	286,803.46	1,419
305	P.T.H. No. 59 - Ste. Agathe - Junction P.T.H. Nos. 1 & 16	150.3	285,330.77	70,503.45	355,834.22	2,367
306	P.T.H. No. 15 - Garson	42.3	54,064.60	13,078.37	67,142.97	1,587
307	P.T.H. No. 44 - Seven Sisters Falls	78.2	38,488.18	66,164.88	104,653.06	1,338

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
308	Sprague - East Braintree	102.4	$ 84,762.83	$ 66,415.39	$151,178.22	$1,476
309	P.R. No. 307 - Big Whiteshell Lake	12.2	9,350.02	7,706.62	17,056.63	1,398
310	United States Boundary - South Junction	4.0	299.90	3,139.97	3,439.87	860
311	Blumenort - P.R. No. 200	45.5	60,741.64	63,188.48	123,930.11	2,724
312	Caddy Lake - P.T.H. No. 44	5.5	12,391.03	5,835.05	18,226.07	3,314
313	Pointe du Bois - P.T.H. No. 11	39.8	49,165.71	20,695.69	69,861.39	1,755
314	P.R. No. 315 - Cat Lake	74.0	71,329.12	14,754.43	86,083.55	1,163
315	P.R. No. 313 - Bird Lake	59.7	79,453.78	22,343.47	101,797.25	1,705
316	P.T.H. No. 44 - Lowland	23.7	41,752.06	7,453.34	49,205.40	2,076
317	Lac du Bonnet - P.T.H. No. 59	50.2	52,723.90	29,138.67	81,862.57	1,631
318	Otterburne - Niverville	11.9	22,850.46	6,022.36	28,872.81	2,426
319	P.T.H. No. 59 - Patricia Beach	6.0	8,476.46	3,104.70	11,581.16	1,930
320	Selkirk - Breezy Point	18.0	28,093.11	26,629.68	54,722.80	3,040
321	P.R. No. 220 - Gross Lake	29.0	46,801.77	42,167.88	88,969.65	3,068
322	Grosse Isle - P.R. No. 415	41.4	60,515.42	26,684.62	87,200.04	2,106
323	P.T.H. No. 7 - Argyle - P.R. No. 248	31.4	61,310.10	39,724.89	101,034.99	3,218
324	Camp Morton - Rembrandt	19.6	22,205.46	2,689.44	24,894.90	1,270
325	P.R. No. 234 - Ashern - P.R. No. 235	125.9	145,929.27	50,047.10	195,976.37	1,557
326	Arborg - P.R. No. 233	16.3	13,545.19	8,522.02	22,067.21	1,354
327	P.T.H. No. 6 - Easterville	64.9	22,055.07	35,582.12	57,637.19	888
328	Gypsumville - Waterhen River	63.8	89,350.42	14,324.27	103,674.69	1,625
329	Riverton - Broad Valley	47.8	106,693.30	25,186.75	131,880.05	2,759
330	Morris - P.T.H. No. 100	47.3	153,168.47	20,439.87	173,608.34	3,670
331	Fortier - Portage la Prairie	28.0	48,639.09	26,819.96	75,459.05	2,695
332	Rosenfeld - Dacotah	79.3	173,007.36	48,156.94	221,164.30	2,789
334	Domain - P.T.H. No. 6	57.8	131,866.08	51,397.28	183,263.36	3,171

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
336	P.R. No. 201 - North of Sperling	54.4	$112,147.03	$ 26,572.65	$138,719.69	$2,550
338	Thornhill - Haywood - P.R. No. 331	90.0	245,323.97	30,834.09	276,158.06	3,068
340	P.T.H. No. 3 - Douglas	101.7	111,412.02	28,036.45	139,448.48	1,371
341	Lena - Horton	34.0	18,395.02	5,491.99	23,887.00	703
342	Clearwater - Cypress River	49.7	46,493.47	12,018.18	58,511.65	1,177
343	P.T.H. No. 10 - Dand	36.2	18,287.14	2,730.85	21,017.99	581
344	Dunrea - Wawanesa - Brandon	79.8	115,364.32	56,830.46	172,194.78	2,158
345	P.T.H. No. 21 - Saskatchewan Boundary	65.2	40,104.71	11,580.50	51,685.21	793
346	Wakopa - Nesbitt	58.8	32,199.67	19,096.55	51,296.22	872
347	P.R. No. 348 - Hartney	40.4	38,138.34	10,146.81	48,285.15	1,195
348	Boissevain - P.R. No. 349	69.2	47,916.46	20,686.90	68,603.35	991
349	P.T.H. No. 10 - South of Griswold	36.4	41,282.36	18,782.14	60,064.50	1,650
350	P.T.H. No. 34 - MacGregor - Woodside	70.2	130,061.55	17,693.22	147,754.77	2,105
351	Sidney - Camp Hughes	35.2	43,751.56	29,124.09	72,875.64	2,070
352	P.T.H. No. 34 - Edrans - Birnie	92.4	187,968.50	30,868.52	218,837.02	2,368
353	P.T.H. No. 34 - Brookdale - P.T.H. No. 10	67.1	68,359.08	17,839.44	86,198.51	1,285
354	P.T.H. No. 21 - Strathclair - P.R. No. 359	92.4	112,705.08	37,755.30	150,460.39	1,628
355	Minnedosa - Beulah	85.8	107,443.16	24,659.60	132,102.76	1,540
357	Birnie - Erickson	35.6	14,524.60	19,118.51	33,643.11	945
359	P.R. No. 270 - Vista	98.2	109,649.25	42,324.49	151,973.74	1,548
360	McCreary - P.R. No. 235	37.0	40,689.27	5,705.86	46,395.13	1,254
361	McCreary - Mt. Agassiz Ski Resort	6.8	2,043.20	1,220.24	3,263.45	480
362	Dauphin - Sifton - P.R. No. 273	39.1	59,126.25	21,620.22	80,746.47	2,065
363	P.T.H. No. 83 - Saskatchewan Boundary	8.9	14,779.77	5,457.63	20,237.40	2,274

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
364	Rorketon - Winnipegosis	47.8	$ 48,587.87	$ 65,613.67	$ 114,201.53	$2,389
365	P.T.H. No. 10 - Steeprock River	29.6	26,451.07	10,290.68	36,741.75	1,241
366	Inglis - Grandview - Birch River	222.2	344,314.34	116,060.67	460,375.02	2,072
367	Garland - P.T.H. No. 83	81.7	89,611.06	47,037.26	136,648.32	1,673
373	Sipiwesk Lake - P.R. No. 391	166.7	356,050.54	130,733.17	486,783.72	2,920
375	Paint Lake - P.R. No. 391	6.0	3,258.58	1,484.22	4,742.81	790
391	P.T.H. No. 10 - Thompson - Lynn Lake (Nelson House Road - Ruttan Lake Road excluded)	641.0	770,657.93	757,187.85	1,527,845.78	2,384
392	P.R. No. 391 - Snow Lake	42.8	22,255.67	56,998.60	79,254.27	1,852
393	P.R. No. 392 - Osborne Lake	19.0	9,302.05	12,133.55	21,435.60	1,128
394	Lynn Lake - Co-Op Point	100.9	116,882.41	31,170.70	148,053.11	1,467
395	Snow Lake - Chisel Lake	13.0	20,558.66	16,097.73	36,656.40	2,820
396	Lynn Lake - Dunphy Lakes	45.4	2,151.29	11,831.20	13,982.49	308
397	Lynn Lake - Eldon Lake	5.5	2,543.54	14,373.13	16,916.68	3,076
400	P.R. No. 217 - Dufrost	11.6	9,951.50	2,544.41	12,495.91	1,077
401	Hoddinott Road	3.1	3,074.83	4,755.83	7,830.67	2,526
402	Sundown - P.T.H. No. 12	10.1	12,735.32	1,728.10	14,463.42	1,432
403	P.R. No. 216 - St. Malo	7.6	17,662.36	5,899.74	23,562.09	3,100
404	P.T.H. No. 12 - East of Marchand	24.1	23,443.63	5,701.68	29,145.30	1,209
405	P.R. No. 206 - Ile des Chenes - P.R. No. 200	16.4	42,695.01	17,362.38	60,057.38	3,662
406	Elma - Whitemouth	9.0	22,656.73	21,638.99	44,295.71	4,922
407	P.R. No. 202 - Henderson Highway	3.7	7,335.29	2,837.27	10,172.56	2,749
408	P.T.H. No. 11 - Seven Sisters Falls	13.7	22,074.16	14,559.31	36,633.47	2,674
409	P.T.H. No. 101 - P.R. No. 220	4.7	579.90	1,200.20	1,780.10	379
410	St. Andrews Church - P.T.H. No. 8	7.1	11,130.53	11,974.29	23,104.82	3,254

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
411	P.T.H. No. 6 - St. Ambroise	22.9	$ 40,550.09	$ 1,682.47	$ 42,232.56	$1,844
412	P.T.H. No. 26 - Warren	18.7	26,414.28	7,015.05	33,429.33	1,788
413	Petersfield - Gunton	19.8	25,808.71	10,293.22	36,101.93	1,823
414	P.R. No. 411 - Lake Francis	11.6	19,784.54	1,661.58	21,446.12	1,849
415	Teulon - St. Laurent	60.5	91,905.21	25,139.91	117,045.12	1,935
416	P.R. No. 415 - Inwood	14.8	22,663.54	2,608.74	25,272.28	1,708
417	Eriksdale - Lake Manitoba	24.6	42,680.45	5,485.90	48,166.34	1,958
418	Lake Manitoba - West of Mulvihill	29.1	28,864.89	15,080.00	43,944.90	1,510
419	Chatfield - Lake Manitoba	62.1	67,000.53	12,841.45	79,841.98	1,286
420	P.T.H. No. 75 - La Salle	11.9	28,867.32	6,999.18	35,866.50	3,014
421	P.T.H. No. 75 - South of Altona	20.6	10,896.60	8,617.88	19,514.47	947
422	P.T.H. No. 23 - Rosenort P.O.	11.6	43,285.93	4,499.23	47,785.16	4,119
423	P.R. No. 244 - Crystal City	37.5	48,184.02	28,233.19	76,417.21	2,038
424	P.T.H. No. 2 - P.R. No. 241	10.2	19,708.27	7,383.90	27,092.17	2,656
425	Saskatchewan Avenue	6.0	12,292.50	29,673.29	41,965.79	6,994
426	P.T.H. No. 1W. - Poplar Point	25.3	36,354.19	17,976.41	54,330.59	2,147
427	Wilkes Avenue - West	12.8	25,266.67	27,686.64	52,953.31	4,137
428	Winkler - Roland	18.3	52,639.77	5,997.41	58,637.18	3,204
430	P.T.H. No. 1W. - St. Ambroise	38.8	47,858.53	8,518.46	56,376.98	1,453
431	St. Leon - P.T.H. No. 23	5.0	5,562.76	11,716.68	17,279.44	3,456
432	P.R. No. 201 - Rosebank	37.5	39,060.29	26,153.14	65,213.43	1,739
433	Wendigo Road	19.6	28,137.23	6,266.80	34,404.03	1,755
434	Lake Minnewasta - Morden	1.4	1,572.36	.00	1,572.36	1,123
435	P.T.H. No. 12 - P.R. No. 212	42.3	40,232.47	21,807.60	62,040.07	1,467
440	P.R. No. 253 - Mariapolis	19.2	13,159.97	4,448.26	17,608.23	917
441	P.T.H. No. 83 - Elkhorn	13.8	12,720.76	2,944.55	15,665.31	1,135

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
442	Mather - P.R. No. 342	19.2	$ 23,622.44	$ 3,182.04	$ 26,804.48	$1,396
443	Ninga - Boissevain	13.4	14,348.37	14,287.74	28,636.12	2,137
444	William Lake - P.R. No. 341	8.4	2,647.75	1,850.91	4,498.67	536
445	Melita - Saskatchewan Boundary	29.3	8,357.95	5,929.67	14,287.62	488
446	Max Lake - P.T.H. No. 3	12.1	3,501.72	2,562.33	6,064.06	501
447	P.R. No. 254 - Napinka - P.T.H. No. 83	20.1	17,498.50	4,717.67	22,216.17	1,105
448	P.R. No. 343 - Elgin	11.6	5,220.37	1,711.39	6,931.76	598
449	P.R. No. 245 - Holland	16.4	20,345.38	14,736.89	35,082.27	2,139
450	United States Boundary - Whitewater	20.8	26,223.00	7,705.87	33,928.87	1,631
451	Treesbank - P.R. No. 344	5.0	7,808.00	291.20	8,099.20	1,620
452	Waskada - Napinka	24.8	42,891.54	4,057.68	46,949.22	1,893
453	Rounthwaite - P.T.H. No. 10	11.4	11,820.24	2,566.56	14,386.80	1,262
454	P.R. No. 346 - West of Souris	9.8	12,013.21	4,521.22	16,534.43	1,687
455	P.T.H. No. 1W. - P.T.H. No. 21	11.3	17,869.99	1,618.75	19,488.74	1,725
457	P.R. No. 340 - Brandon	16.7	4,495.85	4,525.27	9,021.12	540
458	P.R. No. 251 - Melita	19.8	9,228.81	1,555.86	10,784.67	545
459	Brandon - P.T.H. No. 1W.	9.8	30,292.37	4,316.08	34,608.45	3,531
460	Gladstone - P.R. No. 265	20.0	40,132.96	13,582.26	53,715.22	2,686
461	P.R. No. 242 - P.T.H. No. 34	17.5	25,506.98	4,799.63	30,306.61	1,732
462	P.R. No. 265 - Glenella - P.T.H. No. 5	57.2	64,461.65	24,709.64	89,171.29	1,559
463	P.T.H. No. 21 - P.R. No. 254	3.7	4,396.16	255.02	4,651.18	1,257
464	P.T.H. No. 1W. - Brookdale - P.T.H. No. 16	37.7	46,571.42	4,679.75	51,251.18	1,359
465	P.R. No. 258 - Rapid City Junction	29.5	23,764.17	15,731.55	39,495.72	1,339
466	Cordova - North of Franklin	35.6	28,402.55	20,274.64	48,677.19	1,367
467	South of Miniota-Saskatchewan Boundary	32.8	35,501.50	6,977.13	42,478.62	1,295

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
468	Chater - North of Moore Park	33.1	$ 43,795.49	$ 5,867.00	$ 49,662.48	$1,500
469	P.R. No. 354 - Hamiota - P.R. No. 254	26.6	41,518.57	23,667.11	65,185.68	2,451
470	Hamiota - P.R. No. 250	69.5	71,170.52	54,441.88	125,612.40	1,807
471	Neepawa - P.R. No. 250	30.9	36,125.76	13,389.75	49,515.51	1,602
472	P.T.H. No. 16 - Vista	17.2	27,079.87	7,173.26	34,253.13	1,991
473	P.T.H. No. 10 - Newdale	19.6	14,983.50	10,374.04	25,357.54	1,294
474	Arrow River - Solsgirth	44.7	58,560.45	13,029.92	71,590.37	1,602
475	Foxwarren - P.T.H. No. 41	8.4	10,153.70	4,185.88	14,339.58	1,707
476	P.T.H. No. 16 - Angusville-P.R. No. 254	36.0	67,236.40	21,878.46	89,114.86	2,475
477	P.T.H. No. 21 - P.R. No. 254	11.6	12,003.29	1,303.81	13,307.10	1,147
478	Saskatchewan Boundary - Binscarth - North of Inglis	89.3	109,677.40	36,793.67	146,471.07	1,640
479	Angusville - P.T.H. No. 41	18.0	19,723.87	9,150.17	28,874.04	1,604
480	P.T.H. No. 5 - Makinak - Dauphin Lake	61.6	88,370.45	19,202.30	107,572.75	1,746
481	Crane River - P.R. No. 364	43.8	46,728.17	16,251.34	62,979.52	1,438
482	P.T.H. No. 83-Dropmore-P.T.H. No. 5	46.7	19,607.85	11,514.54	31,122.39	666
483	Merridale - P.T.H. No. 83	19.0	18,815.16	8,888.93	27,704.09	1,458
484	P.T.H. No. 5 - North of Makaroff	33.0	37,534.44	11,550.74	49,085.18	1,487
485	P.R. No. 366 (South of Minitonas) - P.R. No. 486	16.4	30,783.53	19,091.68	49,875.20	3,041
486	P.R. No. 586 (South of Durban) - P.T.H. No. 83	26.9	26,275.40	21,639.02	47,914.42	1,781
487	Kenville - P.R. No. 588	15.1	22,968.64	9,929.16	32,897.79	2,179
488	P.R. No. 486 - P.T.H. No. 10 (East of Swan River)	21.6	45,180.27	17,284.88	62,465.15	2,892
489	Garland - P.T.H. No. 20	50.0	55,390.73	24,947.01	80,337.74	1,607

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
490	P.R. No. 481 (West of Toutes Aides) - P.R. No. 269	12.9	$ 12,290.28	$ 4,754.30	$ 17,044.58	$1,321
491	P.R. No. 362 Cross of Freedom	9.2	10,672.83	8,626.87	19,299.69	2,098
500	P.T.H. No. 12 (South Junction)	11.7	27,716.65	7,408.89	35,125.54	3,002
501	Ross - P.T.H. No. 1E.	26.2	5,817.09	20,773.11	26,590.20	1,015
502	Lac du Bonnet - P.R. No. 313 - P.T.H. No. 11	9.0	13,147.59	16,524.77	29,672.36	3,297
503	P.R. No. 308 - P.T.H. No. 1E.	34.6	19,951.74	4,029.84	23,981.59	693
504	Victoria Beach - Lake Winnipeg	2.3	146.30	1,086.30	1,232.60	536
505	Whitemouth River - P.R. No. 503	5.1	265.40	213.86	479.26	94
506	Prawda - P.T.H. No. 11 - P.T.H. No. 1E.	49.1	51,508.37	20,906.76	72,415.13	1,475
507	P.R. No. 506 - Medika	4.0	5,469.72	228.26	5,697.98	1,424
508	East Selkirk - St. Peters Church	12.9	4,464.65	6,178.19	10,642.83	825
509	P.T.H. No. 59 - P.R. No. 204	1.6	464.20	1,156.80	1,621.00	1,013
510	P.T.H. No. 44 - P.R. No. 435	8.2	7,454.69	8,487.93	15,942.62	1,944
511	P.R. No. 518 - Oak Point	20.0	23,907.17	16,159.49	40,066.66	2,003
512	P.R. No. 419 - P.T.H. No. 68	15.6	15,968.55	1,536.98	17,505.54	1,122
513	P.T.H. No. 6 - Gypsumville - Anama Bay	82.7	91,332.79	29,654.18	120,986.97	1,463
514	P.R. No. 235 - South of Ashern	29.5	48,008.27	13,564.91	61,573.18	2,087
515	Clandeboye - P.T.H. No. 8	5.0	1,934.15	4,248.23	6,182.39	1,236
516	P.R. No. 329 - Shorncliffe	14.8	18,169.10	3,062.21	21,231.31	1,435
517	Balmoral - P.R. No. 322	16.4	23,422.12	10,413.08	33,835.19	2,063
518	Woodlands - P.R. No. 229	38.3	55,230.11	8,513.81	63,743.91	1,664
519	Sandy Hook - P.T.H. No. 8	2.7	6,033.50	1,771.04	7,804.54	2,891
521	Rosengart - P.T.H. No. 32	5.1	9,774.81	1,656.70	11,431.51	2,241
522	Halbstadt Road	6.6	15,905.99	1,224.79	17,130.79	2,596

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
523	P.T.H. No. 75 - Sewell - P.R. No. 332	15.3	$ 20,047.27	$ 10,229.83	$ 30,277.10	$1,979
524	Blumenort - P.R. No. 243	3.2	4,147.58	93.02	4,240.60	1,325
525	United States Boundary - P.R. No. 308	9.7	8,187.16	1,270.80	9,457.96	975
526	P.T.H. No. 26 - North of High Bluff	6.3	7,771.04	5,680.31	13,451.35	2,135
528	Kaleida - P.T.H. No. 3	7.1	1,700.86	1,264.38	2,965.25	418
530	P.T.H. No. 23 - Bruxelles	10.0	12,450.93	3,227.25	15,678.18	1,568
532	Mariapolis - P.R. No. 245	11.6	3,231.64	3,046.25	6,277.90	541
541	North of Mather - P.R. No. 258	15.8	7,495.73	1,665.95	9,161.68	580
542	P.R. No. 257 - P.T.H. No. 1	21.2	24,899.41	5,816.31	30,715.71	1,449
543	P.T.H. No. 21 (South of Griswold) - P.R. No. 254	11.6	14,472.87	1,197.19	15,670.07	1,351
545	P.T.H. No. 41 (South of St. Lazare) - Saskatchewan Boundary	8.9	20,164.04	1,071.99	21,236.03	2,386
547	P.R. No. 482 - Saskatchewan Boundary	3.2	1,659.30	81.51	1,740.81	544
561	Justice - Forrest	11.6	13,110.98	1,600.43	14,711.41	1,268
563	P.T.H. No. 10 - P.R. No. 270 - (North of Rapid City)	6.6	10,988.68	4,116.94	15,105.62	2,289
564	Minnedosa - Bethany	13.2	12,697.82	6,238.19	18,936.00	1,435
565	P.T.H. No. 41 (South of McAuley) - Saskatchewan Boundary	5.0	8,413.15	2,579.03	10,992.18	2,198
566	Oakburn - P.R. No. 359	22.2	39,040.01	16,025.80	55,065.81	2,480
567	Lynch's Point - P.T.H. No. 50	7.6	6,911.42	4,559.53	11,470.96	1,509
568	P.T.H. No. 83 - Wattsview -P.R. No. 475	30.1	32,749.32	17,915.61	50,664.93	1,683
569	Lake Manitoba - P.T.H. No. 50	5.8	5,209.80	1,481.67	6,691.47	1,154
571	P.T.H. No. 41 (North of McAuley) - Saskatchewan Boundary	6.6	10,566.44	1,191.33	11,757.77	1,781

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
573	Lake Manitoba - P.T.H. No. 59 - (South of Embury)	8.2	$ 4,645.00	$ 1,761.99	$ 6,406.99	$ 781
575	P.R. No. 260 - Birnie	25.6	25,963.31	11,772.21	37,735.52	1,474
577	P.R. No. 566 - North of Rossburn	24.8	26,317.74	10,627.00	36,944.74	1,490
579	P.T.H. No. 83 - Millwood - P.R. No. 478	26.4	26,441.05	9,145.52	35,586.57	1,348
581	Ste. Amelie - P.T.H. No. 5	8.2	25,108.57	1,684.08	26,792.65	3,267
582	Makinak - Ochre River	16.4	25,170.80	4,309.09	29,479.89	1,798
583	Shevlin - P.T.H. No. 83	15.3	24,783.96	6,150.44	30,934.39	2,022
584	P.R. No. 366 - Merridale - P.R. No. 594	73.9	90,064.96	49,470.18	139,535.14	1,888
585	P.R. No. 276 - West of Rorketon	18.0	14,983.33	5,830.08	20,813.41	1,156
586	P.T.H. No. 83 - Durban	24.5	32,791.17	17,192.52	49,983.69	2,040
587	P.R. No. 268 - Bowsman	19.3	40,629.58	16,038.77	56,668.36	2,936
588	Benito - P.R. No. 269	40.6	51,580.56	26,210.08	77,790.64	1,916
589	P.R. No. 478 - P.T.H. No. 83	8.4	11,041.51	4,785.80	15,827.31	1,884
591	P.R No. 584 - Roblin	8.7	17,498.43	6,224.30	23,722.72	2,727
592	Deepdale - P.T.H. No. 83	13.0	15,257.30	11,650.51	26,907.81	2,070
593	P.T.H. No. 83 - Deepdale	9.7	10,544.74	5,986.86	16,531.59	1,704
594	P.T.H. No. 83 - Boggy Creek	19.9	28,483.92	14,790.27	43,274.20	2,175
666	Access Roads	395.6	575,541.14	863,994.28	1,439,535.63	3,639
		12,911.8	$17,004,079.42	$8,183,797.87	$25,187,877.30	$1,950*

*1. Cost per kilometre is rounded off to the nearest dollar and includes overheads.
2. Costs for P.R. No. 399 are included in the costs for P.R. No. 391.

Table No. P1

SUMMARY OF MILEAGES ON PROVINCIAL TRUNK HIGHWAYS BY SURFACE TYPE

P.T.H. No.	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total Mileage
1	15.5	273.9	-	-	-	289.4
1A	1.3	17.8	-	-	-	19.1
2	30.7	165.0	-	-	-	195.7
3	42.8	126.5	5.1	72.1	-	246.5
3A	-	-	7.0	-	-	7.0
4	-	-	-	-	6.0	6.0
5	-	177.1	7.6	64.2	-	248.9
5A	1.3	2.8	-	-	-	4.1
6	-	438.6	-	22.7	-	461.3
7	11.1	53.9	-	-	-	65.0
8	9.4	81.1	-	1.0	14.0	105.5
9	2.4	49.8	-	0.3	-	52.5
9A	1.8	3.0	-	-	-	4.8
10	-	422.4	1.2	25.7	-	449.3
10A	-	7.5	-	-	-	7.5
11	-	78.2	-	13.0	-	91.2
12	3.8	142.3	2.8	12.2	-	161.1
13	-	31.3	-	-	-	31.3
14	10.4	20.9	-	-	-	31.3
15	11.6	14.8	-	20.5	-	46.9
16	-	162.0	-	-	-	162.0
16A	-	5.6	-	-	-	5.6
17	-	1.5	13.8	60.7	-	76.0
18	-	15.5	-	18.9	-	34.4
19	-	-	-	-	3.1	3.1
20	-	32.4	14.1	59.1	-	105.6
20A	-	3.2	-	-	-	3.2
21	-	2.6	-	106.9	-	109.5
22	-	0.5	-	12.5	-	13.0
23	29.3	35.7	-	99.6	0.9	165.5
24	-	4.9	-	45.1	-	50.0
25	-	17.5	-	-	-	17.5
26	0.6	39.4	-	-	-	40.0
27	-	1.8	-	-	-	1.8
29	0.3	-	-	-	-	0.3
30	6.7	6.9	-	-	-	13.6
31	-	-	-	14.1	-	14.1
32	-	14.1	-	-	-	14.1
34	-	6.0	-	71.2	-	77.2
39	-	35.0	-	67.1	-	102.1
41	-	3.0	6.6	31.9	2.4	43.9

Table No. P1

P.T.H. No.	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total Mileage
42	-	4.8	-	27.8	-	32.6
44	-	55.2	-	18.7	-	73.9
45	-	23.1	-	42.8	-	65.9
49	-	1.0	-	-	-	1.0
50	-	17.2	24.2	35.3	-	76.7
52	-	19.1	2.7	-	-	21.8
57	-	-	-	1.0	-	1.0
59	13.5	79.6	-	24.9	-	118.0
60	-	-	-	94.6	-	94.6
67	-	10.6	7.2	10.2	-	28.0
68	-	35.7	8.1	86.1	-	129.9
75	8.5	48.5	-	-	-	57.0
77	-	-	-	25.8	-	25.8
83	-	157.3	0.7	49.0	-	207.0
89	-	-	6.2	-	-	6.2
100	7.5	17.3	-	-	-	24.8
101	21.5	3.5	-	-	-	25.0
	230.0	2967.4	107.3	1235.0	26.4	*4566.1

*Compiled as of January 1, 1987

Table No. P2

SUMMARY OF MILEAGES ON PROVINCIAL TRUNK HIGHWAYS BY SURFACE TYPE AND NUMBER OF LANES

Number of Lanes	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total Miles
2	145.4	2,637.9	106.2	1,234.8	26.4	4,150.7
4 Undivided	2.2	20.8	1.1	-	-	24.1
4 Divided	82.4	307.4	-	0.2	-	390.0
6 Undivided	-	-	-	-	-	-
6 Divided	-	1.3	-	-	-	1.3
8 Divided	-	-	-	-	-	-
	230.0	2,967.4	107.3	1,235.0	26.4	*4,566.1

*Compiled as of January 1, 1987

Table No. P3

SUMMARIZED BY SURFACE TYPE (miles)

	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total
P.T.H.	230.0	2,967.4	107.3	1,235.0	26.4	4,566.1
P.R.	14.5	617.5	288.8	1,408.7	5,311.9	7,641.4
	244.5	3,584.9	369.1	2,643.7	5,338.3	*12,207.5

*Compiled as of January 1, 1987

Table No. P4

SUMMARY OF MILEAGES ON PROVINCIAL TRUNK HIGHWAYS
BY DISTRICT

P.T.H. No.	DISTRICT NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	Total Miles
1	12.6	73.7	-	-	114.4	78.0	-	-	-	-	-	10.7	289.4
1A	-	-	-	-	12.3	6.8	-	-	-	-	-	-	19.1
2	-	-	64.3	-	126.5	-	-	-	-	-	-	4.9	195.7
3	-	-	95.1	145.6	-	-	-	-	-	-	-	5.8	246.5
3A	-	-	-	7.0	-	-	-	-	-	-	-	-	7.0
4	6.0	-	-	-	-	-	-	-	-	-	-	-	6.0
5	-	-	-	38.8	43.6	-	41.1	125.4	-	-	-	-	248.9
5A	-	-	-	-	-	-	-	4.1	-	-	-	-	4.1
6	-	-	-	-	-	26.1	-	-	-	151.4	275.2	8.6	461.3
7	-	-	-	-	-	31.5	-	-	-	-	27.5	6.0	65.0
8	32.3	-	-	-	-	-	-	-	-	-	67.4	5.8	105.5
9	33.6	-	-	-	-	-	-	-	-	-	8.0	10.9	52.5
9A	4.8	-	-	-	-	-	-	-	-	-	-	-	4.8
10	-	-	-	39.9	34.3	-	44.9	44.9	135.3	150.0	-	-	449.3
10A	-	-	-	-	-	-	-	2.1	3.4	2.0	-	-	7.5
11	81.0	10.2	-	-	-	-	-	-	-	-	-	-	91.2
12	62.2	98.9	-	-	-	-	-	-	-	-	-	-	161.1
13	-	-	20.5	-	-	10.8	-	-	-	-	-	-	31.3
14	-	-	31.3	-	-	-	-	-	-	-	-	-	31.3
15	45.8	-	-	-	-	-	-	-	-	-	-	1.1	46.9
16	-	-	-	-	-	44.1	117.9	-	-	-	-	-	162.0
16A	-	-	-	-	-	-	5.6	-	-	-	-	-	5.6
17	3.0	-	-	-	-	18.8	-	-	-	-	54.2	-	76.0
18	-	-	-	32.4	2.0	-	-	-	-	-	-	-	34.4
19	-	-	-	-	-	-	-	3.1	-	-	-	-	3.1
20	-	-	-	-	-	-	-	61.5	44.1	-	-	-	105.6

Table No. P4

P.T.H. No.	DISTRICT NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	Total Miles
20A	-	-	-	-	-	-	-	3.2	-	-	-	-	3.2
21	-	-	-	34.0	39.9	-	35.6	-	-	-	-	-	109.5
22	-	-	-	6.1	6.9	-	-	-	-	-	-	-	13.0
23	-	17.9	68.1	79.5	-	-	-	-	-	-	-	-	165.5
24	-	-	-	-	-	-	50.0	-	-	-	-	-	50.0
25	-	-	-	-	17.5	-	-	-	-	-	-	-	17.5
26	-	-	-	-	-	40.0	-	-	-	-	-	-	40.0
27	1.8	-	-	-	-	-	-	-	-	-	-	-	1.8
29	-	0.3	-	-	-	-	-	-	-	-	-	-	0.3
30	-	-	13.6	-	-	-	-	-	-	-	-	-	13.6
31	-	-	14.1	-	-	-	-	-	-	-	-	-	14.1
32	-	-	14.1	-	-	-	-	-	-	-	-	-	14.1
34	-	-	-	28.3	19.5	29.4	-	-	-	-	-	-	77.2
39	-	-	-	-	-	-	-	-	-	102.1	-	-	102.1
41	-	-	-	-	20.6	-	23.3	-	-	-	-	-	43.9
42	-	-	-	-	-	-	32.6	-	-	-	-	-	32.6
44	70.0	-	-	-	-	-	-	-	-	-	-	3.9	73.9
45	-	-	-	-	-	-	65.9	-	-	-	-	-	65.9
49	-	-	-	-	-	-	-	-	1.0	-	-	-	1.0
50	-	-	-	-	-	24.6	-	52.1	-	-	-	-	76.7
52	-	21.8	-	-	-	-	-	-	-	-	-	-	21.8
57	-	-	-	-	-	-	-	-	1.0	-	-	-	1.0
59	43.7	52.9	-	-	-	-	-	-	-	-	-	21.4	118.0
60	-	-	-	-	-	-	-	-	-	67.5	27.1	-	94.6
67	8.7	-	-	-	-	19.3	-	-	-	-	-	-	28.0
68	-	-	-	-	-	-	-	42.8	-	-	87.1	-	129.9
75	-	52.5	-	-	-	-	-	-	-	-	-	4.5	57.0
77	-	-	-	-	-	-	-	-	25.8	-	-	-	25.8

Table No. P4

P.T.H.	DISTRICT NUMBER												Total
No.	1	2	3	4	5	6	7	8	9	10	11	12	Miles
83	-	-	-	32.5	38.4	-	34.0	47.9	54.2	-	-	-	207.0
89	-	6.2	-	-	-	-	-	-	-	-	-	-	6.2
100	-	-	-	-	-	-	-	-	-	-	-	24.8	24.8
101	-	-	-	-	-	-	-	-	-	-	-	25.0	25.0
	405.5	334.4	321.1	444.1	475.9	329.4	450.9	387.1	264.8	473.0	546.5	133.4	4566.1

Table No. X1

SUMMARY OF CONSTRUCTION AND EXPENDITURES UNDER AIDS TO CITIES, TOWNS, VILLAGES AND UNINCORPORATED VILLAGE DISTRICTS, AIDS TO UNORGANIZED TERRITORIES AND DISORGANIZED MUNICIPALITIES
APPROPRIATION 15-8B & C

Appropriation
15-8B Program 2
Nature of Work Completed in km and metres

Grading	5.40 km	
Excavation and Backfill	0.99	
Gravel	4.37	
Re-Gravel	23.52	
Base Course	6.60	
Paving	14.83	
Asphalt Surface Treatment	8.58	
Sealcoating	6.22	
Calcium Chloride	46.15	
Calcium Lignosulfonate	7.94	
Dust Oil Treatment	4.31	
Curb and Gutter	3.38	
	132.29 km	
Culverts	125 metres	
Bridge	1	
Expenditure		$1,147,119.33
Total Expenditure under 15-8B Program 2		$2,324,892.84

Table No. X2

AIDS TO CITIES, TOWNS, VILLAGES AND UNINCORPORATED VILLAGE DISTRICTS

APPROPRIATION 15-8B Program 2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures	
			Total	Government
Altona	Gravel	0.43	$ 129,115.00	$ 64,000.00
	Base Course	0.43		
	Curb & Gutter	0.43		
	Paving	0.43		
Beausejour	Paving	1.63	28,522.57	14,261.28
Benito	Calcium Chloride	1.21	2,104.50	1,052.25
Birtle	Paving	0.64	43,230.97	21,615.48
	Calcium Lignosolfonate	2.41		
Bowsman	Seal Coat	1.87	9,394.46	4,697.23
Brandon	Paving	1.55	238,143.16	119,071.58
Carman	Re-Gravel	0.37	1,445.59	722.80
	Calcium Chloride	0.37		
Cartwright	Asphalt Surface Treatment	0.55	4,330.28	2,165.14
Deloraine	Calcium Chloride	0.70	491.12	245.56
Elkhorn	Gravel	1.40	1,690.75	845.38
	Dust Oil Treatment	1.40		
Garson	Asphalt Surface Treatment	0.08	4,875.50	2,437.75
Gilbert Plains	Asphalt Surface Treatment	0.30	2,642.61	1,321.30
Gimli	Grading	0.15	61,332.26	26,875.00
	Base Course	0.15		
	Paving	0.15		
Gladstone	Base Course	0.30	7,117.90	3,558.95
	Calcium Chloride	0.30		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures	
			Total	Government
Gretna	Re-Gravel	2.14	$ 4,533.66	$ 2,266.83
	Calcium Chloride	2.14		
Lac du Bonnet	Paving	0.43	6,915.79	3,311.27
Melita	Base Course	0.43	45,097.50	17,600.00
	Paving	0.43		
	Curb & Gutter	0.29		
	Calcium Chloride	0.45		
Minitonas	Paving	0.34	14,064.43	7,032.22
Minnedosa	Calcium Chloride	0.20	394.91	197.45
Morden	Re-Gravel	2.72	3,422.41	1,711.21
	Calcium Chloride	2.72		
Morris	Base Course	0.43	97,296.97	48,648.49
	Paving	0.43		
	Curb & Gutter	0.86		
	Culverts	68 metres		
Neepawa	Base Course	0.24	39,407.44	19,703.72
	Paving	0.46		
Notre-Dame de Lourdes	Re-Gravel	0.84	2,123.80	1,061.90
	Calcium Lignosulfonate	0.84		
Pilot Mound	Paving	0.31	9,306.53	4,653.26
Portage la Prairie	Bridge	1	138,077.21	68,500.00
Rapid City	Calcium Chloride	0.16	515.10	257.55
Rossburn	Dust Oil Treatment	0.64	2,120.00	1,000.00
Russell	Re-Gravel	0.80	1,741.80	870.90
	Dust Oil Treatment	0.80		
St. Anne	Calcium Chloride	0.48	572.91	286.46

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures	
			Total	Government
St. Claude	Grading	0.21	$ 35,466.08	$ 17,733.04
	Re-Gravel	0.52		
	Base Course	0.21		
	Paving	0.21		
	Calcium Chloride	0.52		
	Culverts	12 metres		
St. Lazare	Seal Coat	2.20	15,468.61	7,734.30
St. Pierre-Jolys	Curb & Gutter	0.21	32,668.13	16,334.06
	Paving	0.21		
Selkirk	Grading	1.77	153,539.46	76,769.73
	Base Course	1.77		
Shoal Lake	Base Course	0.70	35,144.85	17,572.42
	Asphalt Surface Treatment	0.70		
Snow Lake	Paving	4.22	246,363.30	124,126.27
Somerset	Re-Gravel	0.87	1,981.75	990.88
	Calcium Lignosulfonate	0.87		
Steinbach	Base Course	0.48	68,037.86	34,018.93
	Paving	0.15		
	Curb & Gutter	0.69		
	Calcium Chloride	6.75		
Stonewall	Grading	0.26	93,109.00	41,000.00
	Base Course	0.26		
	Paving	0.26		
	Curb & Gutter	0.26		
	Culverts	27 metres		
Teulon	Paving	0.16	18,794.88	9,397.44
Thompson	Paving	1.09	207,151.88	103,575.94
Treherne	Grading	0.13	19,278.17	9,639.09
	Base Course	0.13		
	Paving	0.13		
Virden	Seal Coat	0.56	12,178.27	6,089.13

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
Waskada	Asphalt Surface Treatment	0.47	$ 4,968.37	$ 2,484.18
	Dust Oil Treatment	0.47		
Winkler	Grading	0.64	140,663.80	70,000.00
	Backfill	0.64		
	Re-Gravel	0.61		
	Calcium Lignosulfonate	0.61		
	Base Course	0.64		
	Curb & Gutter	0.64		
	Asphalt Surface Treatment	0.79		
UNINCORPORATED VILLAGE DISTRICTS				
L.G.D. of Alexander				
St. George	Asphalt Surface Treatment	0.24	9,726.62	4,863.39
R.M. of Argyle				
Baldur	Seal Coat	0.48	6,073.80	3,036.90
R.M. of Birtle				
Foxwarren	Gravel	0.20	14,349.78	7,174.89
	Re-Gravel	0.20		
	Dust Oil Treatment	0.20		
R.M. of Cameron				
Lauder	Calcium Chloride	0.76	742.16	371.08
Grande Clairiere	Calcium Chloride	0.21	205.00	102.50
R.M. of Cartier				
Springstein	Gravel	0.50	2,685.60	1,000.00
	Calcium Lignosulfonate	0.50		
R.M. of Dufferin				
Roseisle	Re-Gravel	0.71	1,578.35	789.18
	Calcium Lignosulfonate	0.71		
R.M. of Glenella				
Glenella	Gravel	1.60	2,526.35	1,263.18
	Calcium Chloride	1.60		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
UNINCORPORATED VILLAGE DISTRICTS				
L.G.D. of Grahamdale				
Faulkner	Grading	0.20	$ 417.60	$ 208.80
	Calcium Lignosulfonate	0.20		
Grahamdale	Grading	0.10	199.20	99.60
	Calcium Lignosulfonate	0.10		
Gypsumville	Grading	0.40	544.00	272.00
	Calcium Lignosulfonate	0.40		
Hilbre	Grading	0.10	199.20	99.60
	Calcium Lignosulfonate	0.10		
Moosehorn	Grading	1.20	1,360.00	680.00
	Calcium Lignosulfonate	1.20		
L.G.D. of Grand Rapids				
Grand Rapids	Calcium Chloride	3.48	6,405.10	3,202.55
R.M. of Grey				
Elm Creek	Re-Gravel	1.14	3,183.22	1,591.61
	Calcium Chloride	1.14		
Haywood	Re-Gravel	0.85	1,602.28	801.14
	Calcium Chloride	0.85		
R.M. of Hanover				
Blumenort	Paving	0.30	21,500.00	10,750.00
Grunthal	Asphalt Surface Treatment	1.58	9,407.32	4,703.66
Mitchell	Asphalt Surface Treatment	1.19	12,980.31	6,490.16
R.M. of Harrison				
Newdale	Calcium Chloride	0.80	1,428.42	714.21
Sandy Lake	Dust Oil Treatment	0.80	1,100.00	550.00
R.M. of Lakeview				
Langruth	Calcium Chloride	0.98	958.20	479.10
R.M. of Lawrence				
Rorketon	Calcium Chloride	3.22	3,804.54	1,902.27
R.M. of Macdonald				
Sanford	Asphalt Surface Treatment	0.32	2,618.28	1,309.14

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures	
			Total	Government
UNINCORPORATED VILLAGE DISTRICTS				
R.M. of Montcalm				
St. Jean Baptiste	Calcium Chloride	0.21	$ 880.00	$ 440.00
Letellier	Asphalt Surface Treatment	0.24	4,691.15	2,345.58
R.M. of Morris				
Lowe Farm	Re-Gravel	1.29	3,549.10	1,774.55
	Calcium Chloride	1.29		
Rosenort	Re-Gravel	2.20	5,947.36	2,973.68
	Calcium Chloride	2.20		
Sperling	Re-Gravel	0.79	2,252.79	1,126.39
	Calcium Chloride	0.79		
L.G.D. of Mountain				
Birch River	Calcium Chloride	1.61	1,858.97	929.48
R.M. of North Norfolk				
Austin	Calcium Chloride	1.93	1,692.82	846.41
R.M. of Ochre River				
Ochre River	Seal Coat	0.80	3,087.92	1,543.96
R.M. of Pembina				
Darlingford	Paving	0.37	17,800.00	8,900.00
Snowflake	Re-Gravel	0.60	1,391.50	695.75
	Calcium Chloride	0.60		
R.M. of Portage la Prairie				
Oakville	Base Course	0.15	31,150.00	15,575.00
	Paving	0.15		
R.M. of Rhineland				
Rosenfeld	Re-Gravel	0.64	1,612.37	806.19
	Calcium Chloride	0.64		
R.M. of Ritchot				
Ile des Chenes	Base Course	0.28	32,575.93	16,287.96
	Paving	0.28		
R.M. of Roland				
Roland	Re-Gravel	1.43	5,698.92	2,849.46
	Calcium Chloride	1.43		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
UNINCORPORATED VILLAGE DISTRICTS				
R.M. of Saskatchewan				
Basswood	Calcium Chloride	0.40	$ 480.63	$ 240.32
R.M. of South Norfolk				
Rathwell	Re-Gravel	1.48	2,567.42	1,283.71
	Calcium Chloride	1.48		
R.M. of Stanley				
Chortitz	Re-Gravel	1.42	2,890.68	1,445.34
	Calcium Chloride	1.42		
Schanzenfeld	Re-Gravel	0.23	755.34	377.67
	Calcium Chloride	0.23		
R.M. of Strathclair				
Strathclair	Grading	0.24	4,315.41	2,157.71
	Gravel	0.24		
	Calcium Chloride	0.91		
R.M. of Strathcona				
Belmont	Seal Coat	0.31	10,451.93	5,225.97
	Excavate & Backfill	0.15		
R.M. of Thompson				
Miami	Re-Gravel	1.27	5,114.85	2,557.43
	Calcium Chloride	1.27		
Rosebank	Re-Gravel	0.40	1,088.04	544.02
	Calcium Chloride	0.40		
R.M. of Wallace				
Hargrave	Calcium Chloride	0.30	455.22	227.61
R.M. of Westbourne				
Plumas	Asphalt Surface Treatment	1.66	26,478.84	13,239.42
	Culverts	18 metres		
R.M. of Whitewater				
Elgin	Asphalt Surface Treatment	0.46	3,433.79	1,716.89

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
R.M. of Woodlands				
Marquette	Paving	0.50	$ 25,385.00	$ 12,692.50
Woodlands	Excavate and Granular Base	0.20	36,849.99	18,425.00
			2,324,892.84	1,147,119.33

Nature of work Completed in km and metres

Grading	5.40
Excavation & Backfill	0.99
Gravel	4.37
Re-Gravel	23.52
Base Course	6.60
Paving	14.83
Asphalt Surface Treatment	8.58
Seal Coat	6.22
Calcium Chloride	46.15
Calcium Lignosulfonate	7.94
Dust Oil Treatment	4.31
Curb & Gutter	3.38
Culverts	125 metres
Bridge	1

Table No. X3

WORK AND ROADS IN UNORGANIZED TERRITORY AND DISORGANIZED MUNICIPALITIES

APPROPRIATION 15-8C Program 2

Territory	Nature of Work	Kilometres Completed	Expenditures	
			Total	Government
UNORGANIZED				
Dauphin	Dragging and General Repairs		$ 22,741.14	$ 22,741.14
	Gravel	1.61		
	Culverts	12 metres		
	Brushing	20.24 ha		
Emerson	Dragging and General Repairs		248,155.07	248,155.07
	Grading	1.40		
	Gravel	17.00		
	Re-Gravel	228.00		
	Culverts	81 metres		
Interlake - Lakeside - Gimli	Dragging and General Repairs		188,056.09	188,056.09
	Grading	6.00		
	Gravel	6.00		
	Re-Gravel	78.90		
	Culverts	15 metres		
	Brushing	4.00 ha		
Interlake	Dragging and General Repairs		381,731.25	381,731.25
	Grading	8.80		
	Gravel	8.80		
	Re-Gravel	140.70		
	Culverts	236 metres		
	Brushing	14.00 ha		
Lac du Bonnet	Dragging and General Repairs		62,563.90	62,563.90
	Gravel	37.60		
	Re-Gravel	3.20		
	Brushing	1.50 ha		
Minnedosa Roblin-Russell	Dragging and General Repairs		16,023.46	16,023.46
	Gravel	12.87		
	Brushing	7.31 ha		
Roblin-Russell	Dragging and General Repairs		18,155.17	18,155.17
	Gravel	31.00		
	Brushing	4.00 ha		
	Mowing	6.00 ha		

Table No. X3

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
UNORGANIZED				
Roblin-Russell Swan River	Bridge Maintenance		$ 14,484.33	$ 14,484.33
Rupertsland	Dragging and General Repairs		53,253.66	53,253.66
	Gravel	39.70		
	Re-Gravel	11.00		
	Brushing	3.90 ha		
Springfield	Dragging and General Repairs		15,121.80	15,121.80
	Gravel	12.70		
	Re-Gravel	4.00		
	Brushing	1.65 ha		
Springfield - La Verendrye	Dragging and General Repairs		62,846.57	62,846.57
	Gravel	4.80		
	Re-Gravel	72.00		
	Culverts	30 metres		
Ste. Rose	Dragging and General Repairs		96,988.09	96,988.09
	Gravel	5.63		
	Re-Gravel	69.20		
	Dust Treatment	5.23		
	Brushing	20.24 ha		
Swan River	Dragging and General Repairs		170,067.91	170,067.91
	Grading	4.00		
	Re-Gravel	83.00		
	Brushing	27.00 ha		
	Mowing	8.00 ha		
	Bridge Maintenance			
	Survey and Design	5.00		
	Right-of-Way Purchase	2.00		
The Pas	Dragging and General Repairs		141,328.84	141,328.84
	Re-Gravel	138.60		
	Brushing	1.00 ha		
Home Site Spot Treatment on Main Market Roads			146,849.43	146,849.43
Snowplowing - Main Market Roads			261,401.75	261,401.75
			$1,899,768.46	$1,899,768.46

Table No. X3

		Kilometres	Expenditures	
Territory	Nature of Work	Completed	Total	Government
Nature of Work Completed in km, metres and hectares				
	Grading	20.20		
	Gravel	177.71		
	Re-Gravel	828.60		
	Dust Treatment	5.23		
	Survey and Design	5.00		
	Right-of-Way Purchase	2.00		
		1,038.74 km		
	Culverts	374 metres		
	Brushing	104.84 ha		
	Mowing	14.00 ha		
		118.84 ha		
	Miscellaneous Work			
	Dragging and General Repairs			
	Bridge Maintenance			
	Home Site Spot Treatment on Main Market Roads			
	Snowplowing Main Market Roads			

Table No. X4

WORKS AND ROADS IN UNORGANIZED TERRITORY AND DISORGANIZED MUNICIPALITIES

APPROPRIATION 15-8C Program 2

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
LOCAL GOVERNMENT DISTRICT				
Alexander	Dragging and General Repairs		$ 147,236.15	$ 73,618.08
	Grading	1.60		
	Re-Gravel	186.40		
	Brushing	3.15 ha		
Alonsa	Dragging and General Repairs		111,146.40	55,573.20
	Grading	7.08		
	Gravel	4.83		
	Re-Gravel	112.65		
	Brushing	20.23 ha		
Armstrong	Dragging and General Repairs		169,475.05	84,737.53
	Grading	10.80		
	Gravel	9.00		
	Re-Gravel	35.40		
	Culverts	204 metres		
	Brushing	21.70 ha		
Consol	Dragging and General Repairs		102,977.22	51,488.61
	Grading	0.64		
	Gravel	0.64		
	Re-Gravel	98.00		
	Dust Treatment	2.60		
	Culverts	5 metres		
Fisher	Dragging and General Repairs		252,268.00	126,134.00
	Grading	26.70		
	Gravel	2.00		
	Culverts	105 metres		
	Brushing	16.50 ha		
Grahamdale	Dragging and General Repairs		229,812.28	114,906.14
	Grading	8.00		
	Gravel	8.00		
	Re-Gravel	134.00		
	Culverts	211 metres		

Table No. X4

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
LOCAL GOVERNMENT DISTRICT				
Mountain	Dragging and General Repairs		$ 253,701.64	$ 126,850.82
	Grading	15.00		
	Re-Gravel	143.50		
	Culverts	330 metres		
	Brushing	19.50 ha		
Park	Dragging and General Repairs		199,119.15	99,559.58
	Grading	4.01		
	Re-Gravel	301.09		
	Culverts	165 metres		
	Brushing	2.00 ha		
Piney	Dragging and General Repairs		213,619.10	106,809.55
	Grading	5.60		
	Gravel	0.80		
	Re-Gravel	134.00		
	Culverts	159 metres		
Reynolds	Dragging and General Repairs		110,048.10	55,024.05
	Grading	4.00		
	Re-Gravel	97.10		
	Culverts	97 metres		
Stuartburn	Dragging and General Repairs		217,763.29	108,881.65
	Grading	3.00		
	Re-Gravel	142.80		
	Culverts	80 metres		
Residents & Miscellaneous	Dragging and General Repairs		56,282.54	28,141.32
	Re-Gravel	57.30		
	Culverts	14 metres		
	Brushing	2.00 ha		
	Mowing	4.05 ha		
Snowplowing Various	50/50 basis		438,444.88	192,497.44
			$2,501,893.80	$1,224,221.97

Table No. X4

Territory	Nature of Work	Kilometres Completed	Expenditures	
			Total	Government
LOCAL GOVERNMENT DISTRICT				
Nature of Work Completed in km, metres and hectares				
	Grading	86.43		
	Gravel	25.27		
	Re-Gravel	1,442.24		
	Dust Treatment	2.60		
		1,556.54 km		
	Culverts	1,370 metres		
	Brushing	85.08 hectares		
	Mowing	4.05 hectares		
	Dragging and General Repairs			
	Snowplowing L.G.D. Roads			

Table No. X6

1986-87 DRILLING SUMMARY FOR
SUBGRADE EVALUATION BY B-30 DRILL TRUCK

	Total No. and Types of Soil Surveys							
District	Total	Preliminary (survey and design)	Final (for pavement design)	Special (surface failure evaluations)	No. of km	No. of Holes	No. of Samples	Total Depth Drilled (m)
1	3	--	1	2	21.5	92	169	151.50
2	2	1	1	--	5.3	23	69	34.50
3	3	2	--	1	1.5	19	100	45.00
4	--	--	--	--	--	--	--	--
5	3	1	2	--	25.1	118	491	244.50
6	4	--	2	2	11.3	60	263	184.20
7	--	--	--	--	--	--	--	--
8	4	2	2	--	46.2	486	1958	774.00
9	4	[illegible]	--	--	35.8	376	813	566.10
10	--	--	--	--	--	--	--	--
11	4	2	2	--	65.4	516	1633	810.00
12	2	1	--	1	21.0	104	265	160.50
Totals	29	13	10	6	233.1	1794	5761	2970.30
1985-86 Totals	34	16	15	3	362.2	2083	7919	3356.45

	NUMBER OF SAMPLES		
	Per metre drilled	per hole	per km distance
1986-87	1.94	3.21	24.7
1985-86	2.36	3.80	21.9
1984-85	1.39	2.56	22.5

Table No. AR1

AIRCRAFT/RADIO SERVICES
NORTHERN AIRPORTS/MARINE OPERATIONS

Work Order No.	Location	Description of Work	Expenditure
15-4D-2			
	Other Expenditures		$1,296,040.63
MWT 001	Matheson Island Roads, Matheson Island Ferry Access - Hole River Ferry Access - York Landing Ferry Access	Road Maintenance	686.19
002	Docks	Dock Maintenance	7,558.53
15-8E-1A Improvements to Airports			
RA 01	Swan River Airport	Granular Base Course & Bituminous Pavement	Nil
02	Oxford House & God's Lake Narrows Airport	Stockpiling Aggregate	2,864.50
04	Lac du Bonnet	Hangar Repair	18,505.47
AP 02	Thompson	Construction of Warehouse	74,904.10
03	Thompson & Winnipeg	Purchase of Computer Equipment	20,407.95
04	Various Airports	Purchase of Air Conditioners	7,443.16

Table No. AR1

Work Order No.	Location	Description of Work	Expenditure
15-7E-1A Improvements to Airports			
AP 05	Island Lake Airport	Ramp Repair and Enlargement	$ 29,817.31
06	South Indian Lake	Purchase and Install Shop Doors	12,857.23
07	La Brochet	Fuel Tank for Airport	6,712.27
08	Cross Lake	Purchase and Install Shop Doors	6,150.00
09	Various		51,691.28
16	Tadoule Lake	Construction of Airport	Nil
17	Various Airports	Signage	3,143.39
18	Cross Lake Airort	Stockpiling Aggregate	131,834.26
19	Bloodvein Airport	Shop Renovation	29,607.96
20	Marine Shop	Shop Repair	13,982.68
21	Various	Equipment Shop Modifications	35,512.87
22	Shamattawa Airport	Shamattawa Terminal	191,404.69

Table No. AR1

Work Order No.	Location	Description of Work	Expenditure
15-8E-1A Improvements to Airports			
AP 99	Norway House	Gravel Issuer	$ (55,172.80)
15-8E-2A Airport Development			
CTN 100	Tadoule Lake	Construction of Tadoule Lake Airport	$1,612,339.88
15-8E-1K Community Roads			
CTN 311	Norway House Community Roads	Upgrading Embankments, Drainage & Gravelling	314,341.55
			*$3,812,633.10

*Appropriation Summary	
15-4D-2	1,304,285.35
15-8E-1A	581,666.32
15-8E-2A	1,612,339.88
15-8E-1K	314,341.55
Total	$3,812,633.10

Table No. AR2

SUMMARY OF AIR SERVICES FLIGHT DISTANCE (KM)

DEPARTMENT OR AGENCY	1985/86	1986/87
Air Ambulance (Life Flight)	141 736	443 979
Agriculture	3 955	-
Attorney General	142 819	258 235
Business, Development & Tourism	29 936	9 637
Communities Economic Development Fund	1 248	5 458
Community Services & Corrections	29 226	17 842
Consumer & Corporate Affairs	1 040	-
Cooperative Development	352	805
Crown Investments	-	-
Culture, Heritage & Recreation	6 739	6 651
Education	7 651	46 872
Employment Services & Economic Security	36 410	13 069
Energy and Mines	43 864	10 326
Environment & Workplace, Safety and Health	10 269	2 192
Executive Council	16 050	4 920
Finance	2 432	5 816
Government Services	22 952	2 715
Health	15 095	25 400
Highways and Transportation	196 198	167 237
Housing	5 053	5 040
Industry, Trade and Technology	7 872	376
Labour	2 288	72
Legislation	-	-
Manfor	9 336	-
Manitoba Development Corporation	384	2 384
Manitoba Hydro	3 083	3 907
Manitoba Telephone System	10 616	11 200
Municipal Affairs	5 496	2 882
Native Affairs	-	1 312
Natural Resources	223 376	189 702
Northern Affairs	59 094	38 451
Northern Patient Transportation Program	340 725	112 339
Urban Affairs	-	-
Miscellaneous	33 054	9 776
TOTAL PROVINCIAL DEPARTMENTS AND AGENCIES	1 408 349	1 398 595
TOTAL FEDERAL DEPARTMENTS	2 496	10 858
TOTAL DISTANCE FLOWN	1 410 845	1 409 453

Table No. AR3

SUMMARY BY BASE BY AIRCRAFT TYPE (KM) 1986/87

WINNIPEG	FLYING HOURS	KILOMETERS	PASSENGERS	CARGO (kg)
Citation SII	879.8	472 691	865	7 255
Citation	778.5	384 920	1,459	6 820
Navajo	-	-	-	-
CL-215	220.3	46 949	61	277
Turbos	25.9	5 232	24	-
Otters	-	-	-	-
TOTAL	1,904.5	909 792	2,409	14 352
THOMPSON				
Citation SII	-	-	-	-
Citation	-	-	-	-
Navajo	594.6	169 314	1,389	14 668
CL-215	5.1	1 256	2	-
Turbos	689.3	130 595	1,087	28 090
Otters	409.9	67 632	651	43 988
TOTAL	1,698.9	368 797	3,129	86 746
LAC DU BONNET				
Turbos	286.8	53 040	298	10 224
Otters	114.7	18 104	91	35 782
TOTAL	401.5	71 144	389	46 006
THE PAS				
Turbos	-	-	-	-
Otters	161.2	21 504	213	20 727
CL-215	50.8	10 280	2	-
TOTAL	212.0	31 784	215	20 727
ISLAND LAKE				
Turbos	162.6	26 592	160	5 086
Otters	-	-	-	-
TOTAL	162.6	26 592	160	5 086
FLIN FLON				
CL-215	5.3	1 344	3	318
TOTAL	5.3	1 344	3	318
GRAND TOTAL	4,384.8	1 409 453	6,305	173 235

MOTOR VEHICLE BRANCH
TABLES MV1, MV2, MV3 and MV5

Table No. MV1

APPEAL BOARD STATISTICS

Hearings Held & By Month and Location

Month	Applications Received	Hearing Locations Winnipeg	Brandon	Dauphin	Steinbach	Beausejour	Thompson	The Pas	Total Hearings
January	232	24	2	2	2	2	-	-	32
February	262	18	4	1	2	2	-	-	27
March	272	12	2	2	-	1	-	-	17
April	316	20	2	1	2	1	2	2	30
May	290	20	6	1	1	1	-	-	29
June	274	18	3	2	1	1	1	2	28
July	256	20	2	1	1	3	-	-	27
August	181	16	2	1	1	2	-	-	22
September	243	16	2	2	1	1	2	2	26
October	280	18	3	2	1	1	-	-	25
November	236	16	3	1	2	1	-	-	23
December	227	12	2	1	1	1	-	-	17
TOTALS	3,069	210	33	17	15	17	5	6	303
Percent Change Over 1985	-28.4%	-19.5%	-21.4%	-15%	Nil	-15%	-28.5%	-25%	-18.7%

Table No. MV2

Application Volume and Hearings Comparison
1983 to 1986 Inclusive

Month	Applications Received				Total Hearings Held			
	1983	1984	1985	1986	1983	1984	1985	1986
January	327	317	336	232	29	27	31	32
February	310	311	354	262	28	30	27	27
March	347	357	381	272	32	28	29	17
April	338	376	411	316	24	28	40	30
May	364	375	434	290	29	28	37	29
June	327	306	360	274	26	32	30	28
July	311	312	331	256	29	29	38	27
August	299	319	317	181	23	26	28	22
September	307	351	342	243	29	23	29	26
October	343	393	370	280	21	35	29	25
November	309	338	356	236	36	34	28	23
December	307	289	299	227	18	18	27	17
TOTALS	3,889	4,044	4,291	3,069	324	338	373	303

Table No. MV3

Applications Processed and Hearing Locations

Location	No. of Hearings Held		No. of Applications Processed	
	1985	1986	1985	1986
Winnipeg	261	210	2,752	2,058
Brandon	42	33	436	285
Dauphin	20	17	180	139
Steinbach	15	15	205	106
Beausejour	20	17	203	101
The Pas	8	6	83	57
Thompson	7	5	43	36
Written Submissions	-	-	19	8
TOTALS	373	303	3,921	2,790
Applications Pending or Cancelled			370	279

Table No. MV5

APPEAL BOARD DECISIONS
By Age & Type of Suspension

AGE	OVER .08	IMPAIRED	REFUSAL	264 OTHER	273 HTA	24-13 HTA	167 HTA	264 & 273	TOTALS
16 & 17									
Restricted	4	-	-	-	6	14	-	-	24
Denied	1	-	-	-	-	-	-	-	1
Full Rem.	-	-	-	-	-	-	-	-	-
18 to 20									
Restricted	58	3	-	9	192	31	-	3	296
Denied	2	1	-	1	6	-	-	-	10
Full Rem.	-	-	-	-	-	-	-	-	-
21 to 24									
Restricted	169	20	12	18	439	9	1	2	670
Denied	8	-	1	2	17	1	-	-	29
Full Rem.	6	1	-	2	1	-	-	-	10
25 to 29									
Restricted	158	16	24	19	342	10	1	1	571
Denied	10	1	2	1	8	-	-	2	24
Full Rem.	20	2	-	-	2	-	-	-	24
30 to 34									
Restricted	102	14	29	8	143	8	-	3	307
Denied	5	2	4	-	5	-	-	-	16
Full Rem.	16	2	2	-	1	-	-	-	21

Table No. MV5

AGE	IMPAIRED	REFUSAL	OVER .08	264 OTHER	273 HTA	24-13 HTA	167 HTA	264 & 273	TOTALS
35 to 39									
Restricted	82	19	22	8	93	2	1	1	228
Denied	5	3	1	-	5	-	-	-	14
Full Rem.	7	1	2	-	-	-	-	-	10
40 to 44									
Restricted	69	8	16	1	57	-	1	-	152
Denied	8	2	2	1	-	-	-	-	13
Full Rem.	3	-	3	-	1	-	-	-	7
45 to 49									
Restricted	55	5	7	-	36	-	-	-	103
Denied	4	-	2	2	-	-	-	-	8
Full Rem.	2	1	-	-	-	-	-	-	3
50 to 54									
Restricted	47	8	9	1	25	3	1	1	95
Denied	2	1	-	-	-	-	-	-	3
Full Rem.	1	-	-	-	-	-	-	-	1
55 to 59									
Restricted	34	4	3	-	24	-	-	2	67
Denied	3	2	2	-	-	-	-	-	7
Full Rem.	2	-	2	-	-	-	-	-	4

Table No. MV5

AGE	IMPAIRED	REFUSAL	OVER .08	264 OTHER	273 HTA	24-13 HTA	167 HTA	264 & 273	TOTALS
60 to 64									
Restricted	25	4	4	1	7	-	-	-	41
Denied	1	-	1	-	1	-	-	-	3
Full Rem.	-	-	-	-	-	-	-	-	-
65 to 69									
Restricted	11	2	-	2	1	-	-	-	16
Denied	1	1	-	-	-	-	-	-	2
Full Rem.	1	1	-	-	-	-	-	-	2
70 to 74									
Restricted	2	-	1	-	4	-	-	-	7
Denied	-	-	-	-	-	-	-	-	-
Full Rem.	-	-	-	-	-	-	-	-	-
OVER 74									
Restricted	-	-	-	-	-	-	-	-	-
Denied	-	-	-	-	-	-	-	-	-
Full Rem.	1	-	-	-	-	-	-	-	1
SUB TOTAL	925	124	151	76	1,416	78	5	15	2,790
APPLICATIONS CANCELLED									160
APPLICATIONS PENDING									63
SUSPENSION EXPIRED									56
TOTAL APPLICATIONS RECEIVED									3,069

Table No. MR1

CARDIOLOGY APPLICATIONS - 1986
CLASS OF LICENCE APPLIED FOR AND DISPOSITION

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
16 - 19												
	Granted							1				1
	Restricted											0
	Denied											0
20 - 24												
	Granted	1										1
	Restricted	1										1
	Denied											0
25 - 34												
	Granted	4										4
	Restricted				1							1
	Denied			1								1
35 - 44												
	Granted	5		1		2		1				9
	Restricted	1						1				2
	Denied	1										1
45 - 54												
	Granted	2				4		1				7
	Restricted	1				1		1				3
	Denied			2								2

Table No. MR1

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
55 - 64												
	Granted					1		1			1	3
	Restricted			1				2				3
	Denied	2		2		1						5
65 - 74												
	Granted											0
	Restricted											0
	Denied											0
75 & UP												
	Granted											0
	Restricted											0
	Denied											0
Cancelled or Pending Applications												5
TOTALS		18		7	1	9		8			1	49

Table No. MR2

OPHTHALMOLOGY APPLICATIONS - 1986
CLASS OF LICENCE APPLIED FOR AND DISPOSITION

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
16 - 19												
	Granted											0
	Restricted											0
	Denied											0
20 - 24												
	Granted											0
	Restricted	7								1		8
	Denied									1		1
25 - 34												
	Granted	1			1	2						4
	Restricted	5				1		1		5		12
	Denied			1				1		1		3
35 - 44												
	Granted									1		1
	Restricted	3				1						4
	Denied									1		1
45 - 54												
	Granted										1	1
	Restricted	1			1					2		4
	Denied											0

Table No. MR2

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
55 - 64												
	Granted									1		1
	Restricted	1		1		1		2		1		6
	Denied											0
65 - 74												
	Granted									1		1
	Restricted											0
	Denied									2		2
75 & UP												
	Granted											0
	Restricted									4	1	5
	Denied									1		1
Cancelled or Pending Applications												2
TOTALS		18		2	2	5		4		22	2	57

Table No. MR3

NEUROLOGY APPLICATIONS - 1986
CLASS OF LICENCE APPLIED FOR AND DISPOSITION

AGE	- DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
16 - 19												
	Granted	1								1	1	3
	Restricted											0
	Denied											0
20 - 24												
	Granted	1		1						10	1	13
	Restricted								1			1
	Denied											0
25 - 34												
	Granted					1				8	4	13
	Restricted									1		1
	Denied									1		1
35 - 44												
	Granted	1						2		5	3	11
	Restricted											0
	Denied			1						1		2
45 - 54												
	Granted	1		1						2	1	5
	Restricted									1		1
	Denied											0

Table No. MR3

AGE - DISPOSITION		CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
55 - 64												
	Granted			1						3	1	5
	Restricted											0
	Denied									2		2
65 - 74												
	Granted									1		1
	Restricted											0
	Denied									1		1
75 & UP												
	Granted					1				1		2
	Restricted									1		1
	Denied											0
Cancelled or Pending Applications												16
TOTALS		4		4		2		2	1	39	11	79